

FACILITY NAME: Environmental Test Systems  
FACILITY ID NUMBER: 307

1) DATE OF INSPECTION 8/24/09 CLASS 4 OR 0  
FACILITY: CLOSED EMPTY?        CLOSED OCCUPIED? X  
IF OCCUPIED, BY WHOM? Hack  
ENVIRONMENTALIST KS DATE ENTERED, INITIALS 8/28/09, KC

2) DATE OF INSPECTION                                  CLASS 4 OR 0  
FACILITY: CLOSED EMPTY?        CLOSED OCCUPIED?         
IF OCCUPIED, BY WHOM?                                   
ENVIRONMENTALIST            DATE ENTERED, INITIALS           

3) DATE OF INSPECTION                                  CLASS 4 OR 0  
FACILITY: CLOSED EMPTY?        CLOSED OCCUPIED?         
IF OCCUPIED, BY WHOM?                                   
ENVIRONMENTALIST            DATE ENTERED, INITIALS           

4) DATE OF INSPECTION                                  CLASS 4 OR 0  
FACILITY: CLOSED EMPTY?        CLOSED OCCUPIED?         
IF OCCUPIED, BY WHOM?                                   
ENVIRONMENTALIST            DATE ENTERED, INITIALS           

DATED, DETAILED COMMENTS:

6/13/2006

FLEX01\_00000599



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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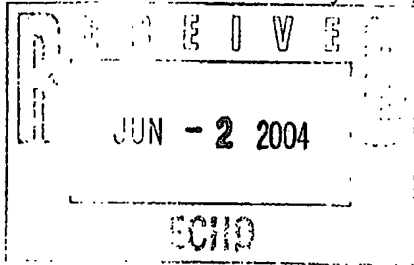
Joseph E. Kernan  
Governor

Lori F. Kaplan  
Commissioner

John Oetken  
Hach Company  
100 Dayton Avenue  
Ames, Iowa 50010

100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
[www.IN.gov/idem](http://www.IN.gov/idem)

May 26, 2004



Re: 039-17483-00187

Revocation of Construction Permit 039-3039-00187  
And Amendment 039-9067-00187

Dear John Oetken:

The information for Environmental Test Systems, Inc., received on April 9, 2003, has been reviewed. The information related to a plant located at 23575 County Road 106 in Elkhart, Indiana. The manufacturing processes have either been moved to Ames, Iowa or been discontinued. Therefore, it has been requested that this operations permits be revoked. This action would revoke both Construction Permit 039-3039 and Amendment 039-9067.

Pursuant to rule 326 IAC 2-1.1-9, any permit to construct or operate or any permit revision approval granted by the commissioner may be revoked for any other cause that establishes in the judgement of the commissioner the fact that continuance of the permit or permit revision approval is not consistent with the purposes of this article. Since the plant is no longer in operation, the Construction Permit and the Amendment will be revoked.

If you have any other questions regarding this issue, please contact Donald Poole at 317-232-8327 or at 1-800-451-6027, Ext. 2-8327.

Sincerely,

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

drp

cc: Elkhart County

Elkhart County Health Department  
Air Compliance – Paul Karkiewicz  
Permit Tracking – Janet Mobley  
Technical Support and Modeling – Michele Boner  
Compliance Data Section – Karen Nowak



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Lori F. Kaplan  
Commissioner

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Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
www.IN.gov/idem

61-50smg

7000 0600 0026 8290-2774

ETS - Environmental Test Systems, Incorporated

Mr. John Whetzel

Post Office Box 4659

Elkhart, IN 46514

April 1, 2004

Re: Violation Letter  
Source ID No. 039 00187 CP3039  
Quarterly Reports for 4<sup>th</sup> Qtr. Of 2003

Dear Mr. Whetzell:

The Office of Air Quality has recently completed a review of the 2003 Quarterly Report database. This review indicated that ETS - Environmental Test Systems, Incorporated has not submitted the quarterly report for the period covering the 4<sup>th</sup> Quarter of 2003.

As stated in Section C, General Reporting Requirements, this report shall be submitted within thirty (30) days after the end of the reporting period. Please submit this report within thirty (30) days from the date of this letter. Failure to submit this report may result in a referral to IDEM's Office of Enforcement. The report should be sent to The following address:

Indiana Department of Environmental Management  
Office of Air Quality, Compliance Data Section  
100 North Senate Avenue  
Indianapolis, IN 46204

If you believe that this letter has been sent in error and have records which show this report was submitted on or before the due date, please send a copy of the mail receipt with the copy of the report to the attention of Ms. Shiela Gonzales. Should you have any questions regarding this letter, please contact Shiela Gonzales at 317-232-0674. Thank you for your prompt attention to this matter.

Sincerely,

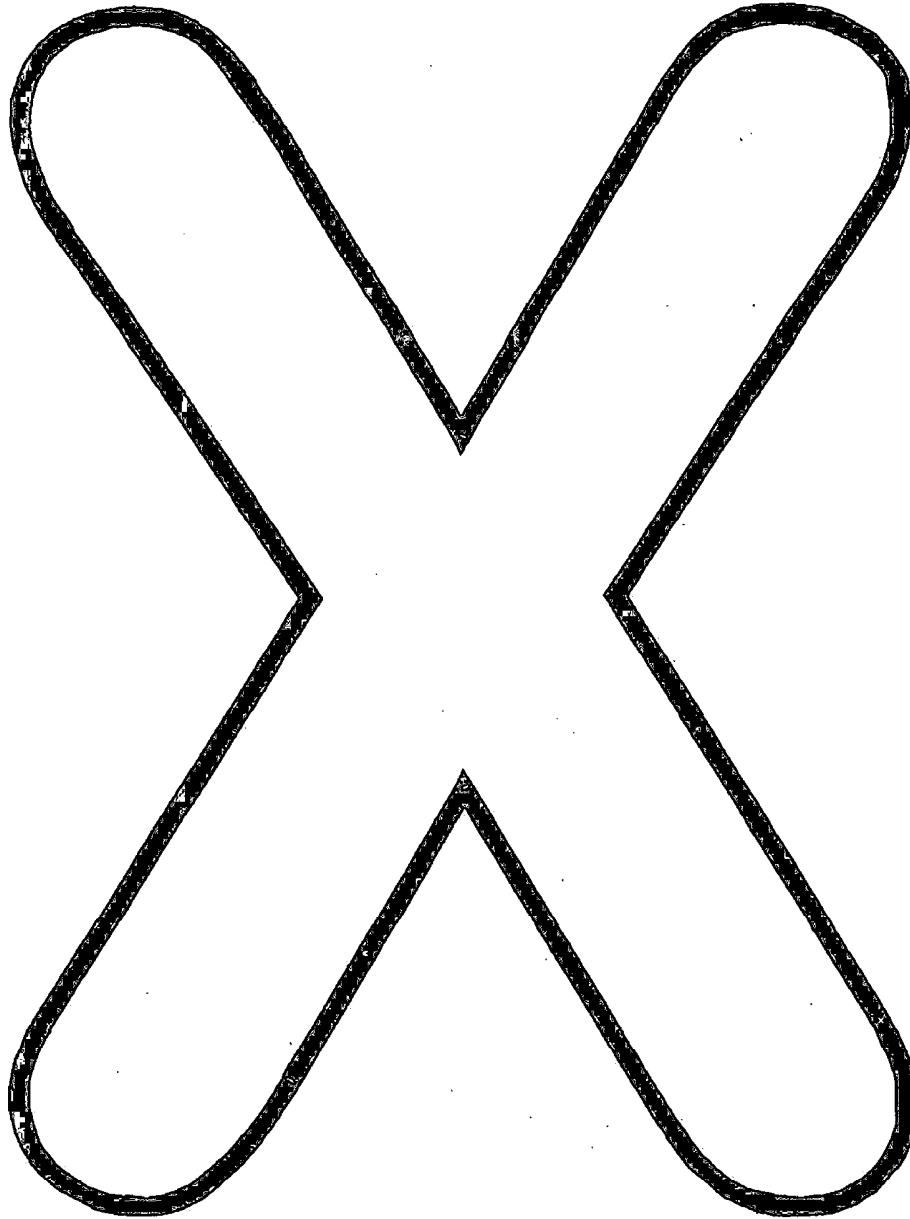
Janusz Johnson, Chief  
Air Compliance II  
Office of Air Quality

CC: Paul Karkiewicz  
Elkhart General File  
Elkhart Board of Health  
Northern Regional Office General File

# Multi-Page Separator Sheet

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# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Joseph E. Kernan  
Governor

December 16, 2003

Lori F. Kaplan  
Commissioner

100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-8015  
(317) 232-8603  
(800) 451-6027  
www.in.gov/idem

VIA CERTIFIED MAIL # 7002 0510 0004 0443 6930

To: Jo Anne Hagen, Esq.  
Hagen & Melusky Law Offices  
1220 West Ash Street, Suite H  
Windsor, Colorado 80550

Re: Commissioner of the Department of  
Environmental Management

V.  
Environmental Test Systems, Inc.

Case No. 2003-13162-A

CR 106

23575 CR 106, EIK

Dear Ms. Hagen:

This is to advise you that the Department of Environmental Management of the State of Indiana took the following action.

The Findings of Fact and Order in the above-referenced case, which were signed by your client as the Respondent, were considered. The Findings of Fact and Order have been approved by the Department and the Agreed Order has been executed.

A copy of the approved Order is enclosed. Please note the civil penalty in the amount of One Thousand Two Hundred dollars (\$1,200) is due within thirty (30) days after you receive this approved Order. Payment should be made to the Environmental Management Special Fund and mailed to IDEM/Cashier, Indiana Government Center North, 100 North Senate Avenue, P. O. Box 7060, Indianapolis, Indiana 46206-7060. Be sure to note Case No. 2002-13162n the front of the check.

Sincerely,

David P. McIver  
Chief, Air Section  
Office of Enforcement

DPM/alm

Enclosure

cc: Elkhart County Health Department (with enclosure)  
Jay Rodia, Office of Legal Counsel (with enclosure)  
Amy L. Moreland, Office of Enforcement (with enclosure)  
Michele Boner, Technical Support & Modeling /Office of Air Quality  
Paul Karkiewicz, NRO /Office of Air Quality (with enclosure)  
Enforcement file 2003-13162-A (with enclosure)  
Public file (with enclosure)  
<http://www.ai.org/idem/>



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Commissioner

100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-8027  
www.in.gov/idem

STATE OF INDIANA	)	BEFORE THE INDIANA DEPARTMENT
	)	SS: OF ENVIRONMENTAL MANAGEMENT
COUNTY OF MARION	)	
COMMISSIONER OF THE DEPARTMENT	)	
OF ENVIRONMENTAL MANAGEMENT,	)	
Complainant,	)	
v.	)	Case No. 2003-13162-A
ENVIRONMENTAL TEST SYSTEMS, INC.,	)	
Respondent.	)	

## AGREED ORDER

The Complainant and the Respondent desire to settle and compromise this action without hearing or adjudication of any issue of fact or law, and consent to the entry of the following Findings of Fact and Order.

### I. FINDINGS OF FACT

1. Complainant is the Commissioner ("Complainant") of the Indiana Department of Environmental Management, a department of the State of Indiana created by IC 13-13-1-1.
2. Respondent is Environmental Test Systems, Inc. ("Respondent"), which manufactures various chemical indicator/test strip for measuring, pH, alkalinity, free chlorine, salinity bromine, etc., located at 23575 C.R 106, Elkhart, Elkhart County, Indiana ("Site").
3. The Indiana Department of Environmental Management ("IDEM") has jurisdiction over the parties and the subject matter of this action.

4. Pursuant to IC 13-30-3-3, IDEM issued a Notice of Violation via Certified Mail to:  

John Simon, President Environmental Test Systems, Inc. 5600 Lindbergh Dr. P.O. Box 389 Loveland, Colorado 80539	C T Corporation System, Registered Agent Environmental Test Systems, Inc. 36 South Pennsylvania Street, Suite 700 Indianapolis, Indiana 46204
---	--
5. A records review, on April 15, 2003, was conducted by a representative of IDEM's (OAQ) Office of Air Quality. The following violation was in existence or observed at the time of this records review:
  - a. Pursuant to 326 IAC 2-6-3, the owner or operator of any facility in Clark, Elkhart, Floyd, Lake, Marion, Porter, St. Joseph or Vanderburgh County with the potential to emit volatile organic compounds (VOCs) or oxides of nitrogen (NO<sub>x</sub>) at levels greater than ten (10) tons per year annually shall submit an emission statement to the Commissioner by April 15 of the following year. This facility/source failed to submit your emission statement for 2002 by April 15, 2003, a violation of 326 IAC 2-6-3.
6. IDEM received 2002 Emission Statement on July 25, 2003.
7. In recognition of the settlement reached, Respondent waives any right to administrative and judicial review of this Agreed Order.

## II. ORDER

1. This Agreed Order shall be effective ("Effective Date") when it is approved by the Complainant or her delegate, and has been received by the Respondent. This Agreed Order shall have no force or effect until the Effective Date.
2. Respondent shall comply with 326 IAC 2-6-3 and Operating Permit CP 039-3039 and Amendment A039-9067-00187.
3. All submittals required by this Agreed Order, unless notified otherwise in writing, shall be sent to:

Amy Moreland, Enforcement Case Manager  
Office of Enforcement  
Indiana Department of Environmental Management  
100 N. Senate Avenue  
P. O. Box 6015  
Indianapolis, IN 46206-6015



4. Respondent is assessed a civil penalty of One Thousand Two Hundred Dollars (\$1,200). Said penalty amount shall be due and payable to the Environmental Management Special Fund within 30 days of the Effective Date of this Agreed Order.
5. Civil and stipulated penalties are payable by check to the Environmental Management Special Fund. Checks shall include the Case Number of this action and shall be mailed to:

Cashier

IDEM

100 N. Senate Avenue

P. O. Box 7060

Indianapolis, IN 46207-7060

6. In the event that the civil penalty required by Order paragraph 4 is not paid within thirty (30) days of the Effective Date of this Agreed Order, Respondent shall pay interest on the unpaid balance at the rate established by IC 24-4.6-1-101. The interest shall continue to accrue until the civil penalty is paid in full.
7. This Agreed Order shall apply to and be binding upon the Respondent, its successors and assigns. The Respondent's signatories to this Agreed Order certify that they are fully authorized to execute this document and legally bind the parties they represent. No change in ownership, corporate, or partnership status of the Respondent shall in any way alter its status or responsibilities under this Agreed Order.
8. In the event that any terms of the Agreed Order are found to be invalid, the remaining terms shall remain in full force and effect and shall be construed and enforced as if the Agreed Order did not contain the invalid terms.
9. The Respondent shall provide a copy of this Agreed Order, if in force, to any subsequent owners or successors before ownership rights are transferred. Respondent shall ensure that all contractors, firms and other persons performing work under this Agreed Order comply with the terms of this Agreed Order.
10. This Agreed Order shall remain in effect until Respondent has complied with all terms and conditions of this Agreed Order.

**TECHNICAL RECOMMENDATION:**  
Department of Environmental Management

By: David P. McIver  
David P. McIver  
Chief, Air Section  
Office of Enforcement

Date: 10-28-03

**COUNSEL FOR COMPLAINANT:**  
Department of Environmental Management

By: Jay Roda  
Office of Legal Counsel  
Department of Environmental  
Management

Date: October 31, 2003

**RESPONDENT:**  
Environmental Test Systems, Inc.

X By: \_\_\_\_\_

Printed: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**COUNSEL FOR RESPONDENT:**

By: Johanne Hagen, Esq.  
HAGEN + Meluskey  
1220 W. Ash St.  
WINDSOR, CO 80550  
Date: December 3, 2003

APPROVED AND ADOPTED BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL  
MANAGEMENT THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_.

For the Commissioner:

Felicia A. Robinson  
Deputy Commissioner  
for Legal Affairs

Agreed Order 2003-13162-A  
Environmental Test Systems, Inc.  
Page 4

**TECHNICAL RECOMMENDATION:**  
Department of Environmental Management

By: David P. McIver  
David P. McIver  
Chief, Air Section  
Office of Enforcement

Date: 10-28-03

**RESPONDENT:**  
Environmental Test Systems, Inc.

X By: John P. Simon  
Printed: JOHN P. SIMON

Title: EXECUTIVE V.P.

Date: 12/4/03

**COUNSEL FOR COMPLAINANT:**  
Department of Environmental Management

By: Jay Rodia  
Office of Legal Counsel  
Department of Environmental  
Management

Date: October 31, 2003

**COUNSEL FOR RESPONDENT:**

By: Joanne Hagen, Esq.  
HAGEN + Meluskey  
1220 W. 25th St.  
WINDSOR, CO 80550  
Date: December 3, 2003

APPROVED AND ADOPTED BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL  
MANAGEMENT THIS 15 DAY OF December, 2003

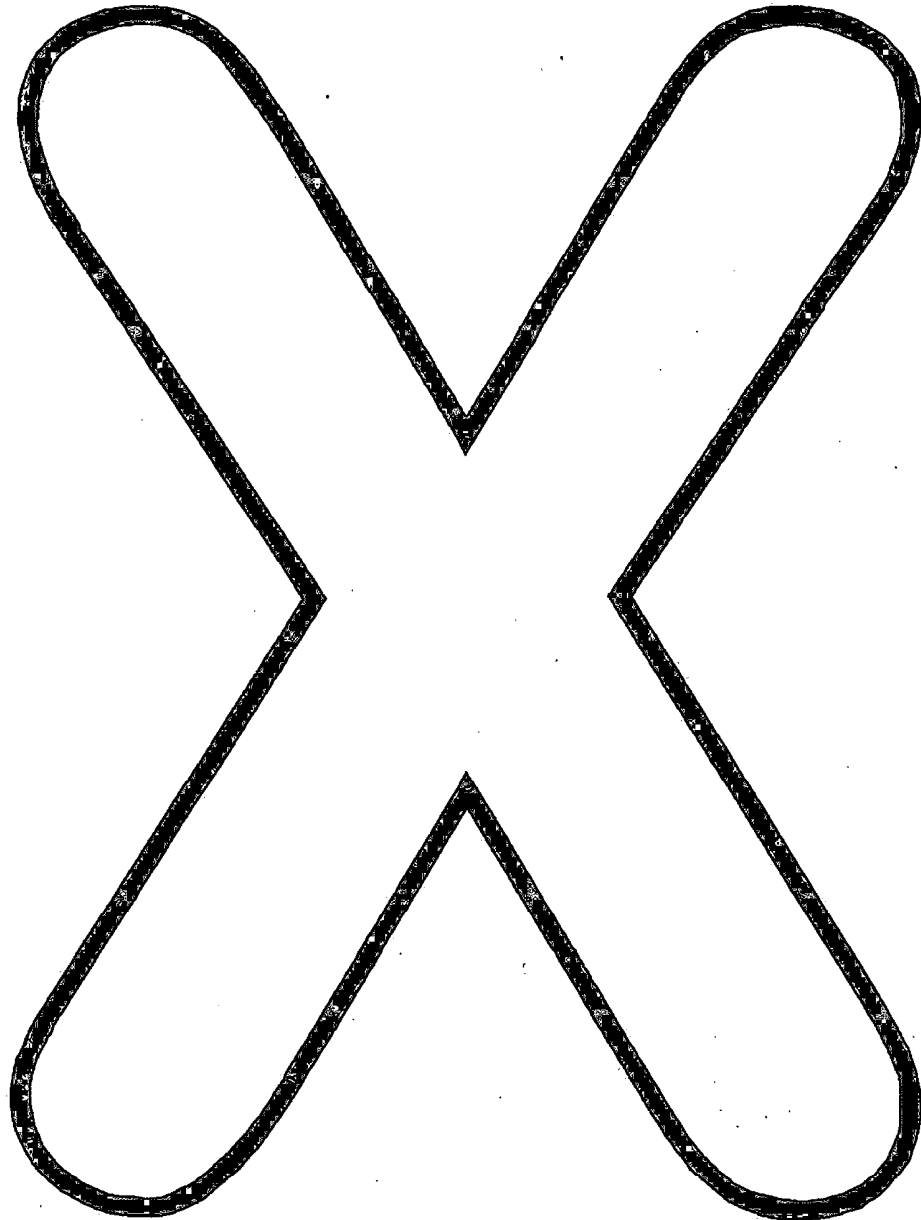
For the Commissioner:

Felicia A. Robinson  
Felicia A. Robinson  
Deputy Commissioner  
for Legal Affairs

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# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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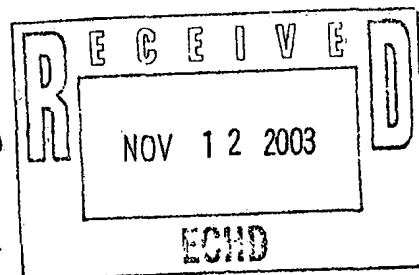
November 6, 2003

100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8803  
(800) 451-6027  
www.in.gov/idem

VIA CERTIFIED MAIL: 7002 0510 0004 0443 8248

To: John Simon, President  
Environmental Test Systems, Inc.  
5600 Lindbergh Dr.  
P.O. Box 389  
Loveland, Colorado 80539

*Now  
owned  
by  
Hach*



*23575  
CR106*

Re: Notice of Violation and  
Proposed Agreed Order  
Environmental Test Systems, Inc.  
Elkhart, Elkhart County

Dear Mr. Simon:

Enclosed please find a Notice of Violation and proposed Agreed Order that specify the Indiana Department of Environmental Management's (IDEM) determination of certain violations by Environmental Test Systems, Inc. IDEM's determination of violations is based on information obtained during a records review on April 15, 2003, by a representative of IDEM. The Notice of Violation and proposed Agreed Order are issued pursuant to IC 13-30-3-3.

The enclosed proposed Agreed Order contains a penalty figure for settlement purposes only. The civil penalty noted in the proposed Agreed Order includes a twenty percent (20%) reduction for quick settlement. If you are willing to resolve this matter as provided for in the Agreed Order, please sign it in the appropriate signature block and return it within fifteen (15) days of receipt of the Order to me at the above address. This proposed Agreed Order must be signed by the company's president, or by a responsible official delegated such authority in writing by the president, in which case a copy of the delegation letter should be attached. A copy will be mailed to you when it has been adopted by the Department.

Please contact me at (317) 232.8423 within fifteen (15) days of receipt of the Order if you have any questions, or are not willing to resolve this matter as provided for in the Agreed Order.

Sincerely,

Amy L. Moreland  
Case Manager  
Air Section  
Office of Enforcement

Enclosures

cc: Elkhart County Health Department  
Office of Legal Counsel  
Amy Moreland, Office of Enforcement  
Paul Karkiewicz, NRO/Office of Air Quality  
Michele Boner, Technical Support & Modeling/OAQ  
Enforcement File 2003-13162-A  
Public File  
<http://www.in.gov/idem/enforcement/>  
Environmental Test Systems, Inc., attn: Environmental Manager, P.O. Box 4659,  
Elkhart, IN 46514



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Commissioner

November 6, 2003

100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
www.in.gov/idem

## NOTICE OF VIOLATION

Via Certified Mail # 7002 0510 0004 0443 8248 Via Certified Mail # 7002 0510 0004 0443 8231

To: John Simon, President  
Environmental Test Systems, Inc.  
5600 Lindbergh Dr.  
P.O. Box 389  
Loveland, Colorado 80539

C T Corporation System, Registered Agent  
Environmental Test Systems, Inc.  
36 South Pennsylvania Street, Suite 700  
Indianapolis, Indiana 46204

CR 106  
Case No. 2003-13162-A

Based on investigation by designated representatives of the Indiana Department of Environmental Management (IDEM) on April 15, 2003, Environmental Test Systems, Inc., ("Respondent"), which manufactures variety of chemical indicator/test strips for measuring pH, alkalinity, free chlorine, salinity bromine, etc., in Elkhart, Elkhart County, Indiana, was in violation of the following environmental statute(s), rule(s), and/or permit(s):

- A. Pursuant to 326 IAC 2-6-3, the owner or operator of any facility in Clark, Elkhart, Floyd, Lake, Marion, Porter, St. Joseph or Vanderburgh County with the potential to emit volatile organic compounds (VOCs) or oxides of nitrogen (NO<sub>x</sub>) at levels greater than ten (10) tons per year annually shall submit an emission statement to the Commissioner by April 15 of the following year. This facility/source failed to submit your emission statement for 2002 by April 15, 2003, a violation of 326 IAC 2-6-3.

In accordance with IC 13-30-3-3, the Commissioner is required to notify an alleged violator in writing that a violation may exist and offer an opportunity to enter into an Agreed Order providing for the actions required to correct the violations and for the payment of a civil penalty. The Commissioner is not required to extend this offer for more than sixty (60) days.

Entering into an Agreed Order will prevent the issuance of a Notice and Order of the Commissioner under IC 13-30-3-4, or the filing of a civil court action under IC 13-14-2-6. IDEM encourages settlement by Agreed Order, thereby saving time and resources. Timely settlement by Agreed Order may result in a reduced civil penalty. Settlement discussions will also allow the opportunity to present any mitigating factors that may be relevant to the violations. In addition, as provided in IC 13-30-3-3, an alleged violator may enter into an Agreed Order without admitting that the violation occurred.

Notice of Violation 2003-13162-A  
Environmental Test Systems, Inc.  
Plant ID No.039-00187  
Page 2

If settlement is not reached within sixty (60) days of receipt of this Notice of Violation, the Commissioner may issue a Notice and Order containing the actions that must be taken to achieve compliance, the required time frames, and an appropriate civil penalty. Pursuant to IC 13-30-4-1, the Commissioner may assess penalties of up to \$25,000 per day for each violation.

Please contact Amy L. Moreland at (317) 232.8428 within fifteen (15) days after receipt of this Notice regarding your intent to settle this matter. If you are willing to resolve this matter as provided for in the enclosed Agreed Order, please sign and return it to the Office of Enforcement at the above address within the sixty (60) day settlement period.

For the Commissioner:

Date:

11/3/03



Felicia A. Robinson  
Deputy Commissioner  
for Legal Affairs

cc: Elkhart County Health Department  
Office of Legal Counsel  
Amy Moreland, Office of Enforcement  
Paul Karkiewicz, NRO/Office of Air Quality  
Michele Boner, Technical Support & Modeling/OAQ  
Enforcement File  
Public File  
<http://www.in.gov/idem/enforcement/>  
Environmental Test Systems, Inc., attn: Environmental Manager, P.O. Box 4659,  
Elkhart, IN 46514





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Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
www.in.gov/idem

STATE OF INDIANA )  
 )  
COUNTY OF MARION ) SS: BEFORE THE INDIANA DEPARTMENT  
 OF ENVIRONMENTAL MANAGEMENT

COMMISSIONER OF THE DEPARTMENT  
OF ENVIRONMENTAL MANAGEMENT,

Complainant,

v.

ENVIRONMENTAL TEST SYSTEMS, INC.,

Respondent.

Case No. 2003-13162-A

## AGREED ORDER

The Complainant and the Respondent desire to settle and compromise this action without hearing or adjudication of any issue of fact or law, and consent to the entry of the following Findings of Fact and Order.

### I. FINDINGS OF FACT

1. Complainant is the Commissioner ("Complainant") of the Indiana Department of Environmental Management, a department of the State of Indiana created by IC 13-13-1-1.
2. Respondent is Environmental Test Systems, Inc. ("Respondent"), which manufactures various chemical indicator/test strip for measuring, pH, alkalinity, free chlorine, salinity bromine, etc., located at 23575 C.R 106, Elkhart, Elkhart County, Indiana ("Site").
3. The Indiana Department of Environmental Management ("IDEM") has jurisdiction over the parties and the subject matter of this action.

4. Pursuant to IC 13-30-3-3, IDEM issued a Notice of Violation via Certified Mail to:

John Simon, President  
Environmental Test Systems, Inc.  
5600 Lindbergh Dr.  
P.O. Box 389  
Loveland, Colorado 80539

C T Corporation System, Registered Agent  
Environmental Test Systems, Inc.  
36 South Pennsylvania Street, Suite 700  
Indianapolis, Indiana 46204

5. A records review, on April 15, 2003, was conducted by a representative of IDEM's (OAQ) Office of Air Quality. The following violation was in existence or observed at the time of this records review:
  - a. Pursuant to 326 IAC 2-6-3, the owner or operator of any facility in Clark, Elkhart, Floyd, Lake, Marion, Porter, St. Joseph or Vanderburgh County with the potential to emit volatile organic compounds (VOCs) or oxides of nitrogen (NO<sub>x</sub>) at levels greater than ten (10) tons per year annually shall submit an emission statement to the Commissioner by April 15 of the following year. This facility/source failed to submit your emission statement for 2002 by April 15, 2003, a violation of 326 IAC 2-6-3.
6. IDEM received 2002 Emission Statement on July 25, 2003.
7. In recognition of the settlement reached, Respondent waives any right to administrative and judicial review of this Agreed Order.

## **II. ORDER**

1. This Agreed Order shall be effective ("Effective Date") when it is approved by the Complainant or her delegate, and has been received by the Respondent. This Agreed Order shall have no force or effect until the Effective Date.
2. Respondent shall comply with 326 IAC 2-6-3 and Operating Permit CP 039-3039 and Amendment A039-9067-00187.
3. All submittals required by this Agreed Order, unless notified otherwise in writing, shall be sent to:

Amy Moreland, Enforcement Case Manager  
Office of Enforcement  
Indiana Department of Environmental Management  
100 N. Senate Avenue  
P. O. Box 6015  
Indianapolis, IN 46206-6015

4. Respondent is assessed a civil penalty of One Thousand Two Hundred Dollars (\$1,200). Said penalty amount shall be due and payable to the Environmental Management Special Fund within 30 days of the Effective Date of this Agreed Order.
5. Civil and stipulated penalties are payable by check to the Environmental Management Special Fund. Checks shall include the Case Number of this action and shall be mailed to:

Cashier  
IDEM  
100 N. Senate Avenue  
P. O. Box 7060  
Indianapolis, IN 46207-7060

- 22644
6. In the event that the civil penalty required by Order paragraph 4 is not paid within thirty (30) days of the Effective Date of this Agreed Order, Respondent shall pay interest on the unpaid balance at the rate established by IC 24-4.6-1-101. The interest shall continue to accrue until the civil penalty is paid in full.
  7. This Agreed Order shall apply to and be binding upon the Respondent, its successors and assigns. The Respondent's signatories to this Agreed Order certify that they are fully authorized to execute this document and legally bind the parties they represent. No change in ownership, corporate, or partnership status of the Respondent shall in any way alter its status or responsibilities under this Agreed Order.
  8. In the event that any terms of the Agreed Order are found to be invalid, the remaining terms shall remain in full force and effect and shall be construed and enforced as if the Agreed Order did not contain the invalid terms.
  9. The Respondent shall provide a copy of this Agreed Order, if in force, to any subsequent owners or successors before ownership rights are transferred. Respondent shall ensure that all contractors, firms and other persons performing work under this Agreed Order comply with the terms of this Agreed Order.
  10. This Agreed Order shall remain in effect until Respondent has complied with all terms and conditions of this Agreed Order.

TECHNICAL RECOMMENDATION:  
Department of Environmental Management

By: David P. McIver  
David P. McIver  
Chief, Air Section  
Office of Enforcement

Date: 10-28-03

COUNSEL FOR COMPLAINANT:  
Department of Environmental Management

By: Jay Rodia  
Office of Legal Counsel  
Department of Environmental  
Management

Date: October 31, 2003

RESPONDENT:  
Environmental Test Systems, Inc.

By: \_\_\_\_\_

Printed: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

COUNSEL FOR RESPONDENT:

By: \_\_\_\_\_

Date: \_\_\_\_\_

APPROVED AND ADOPTED BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL  
MANAGEMENT THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_.

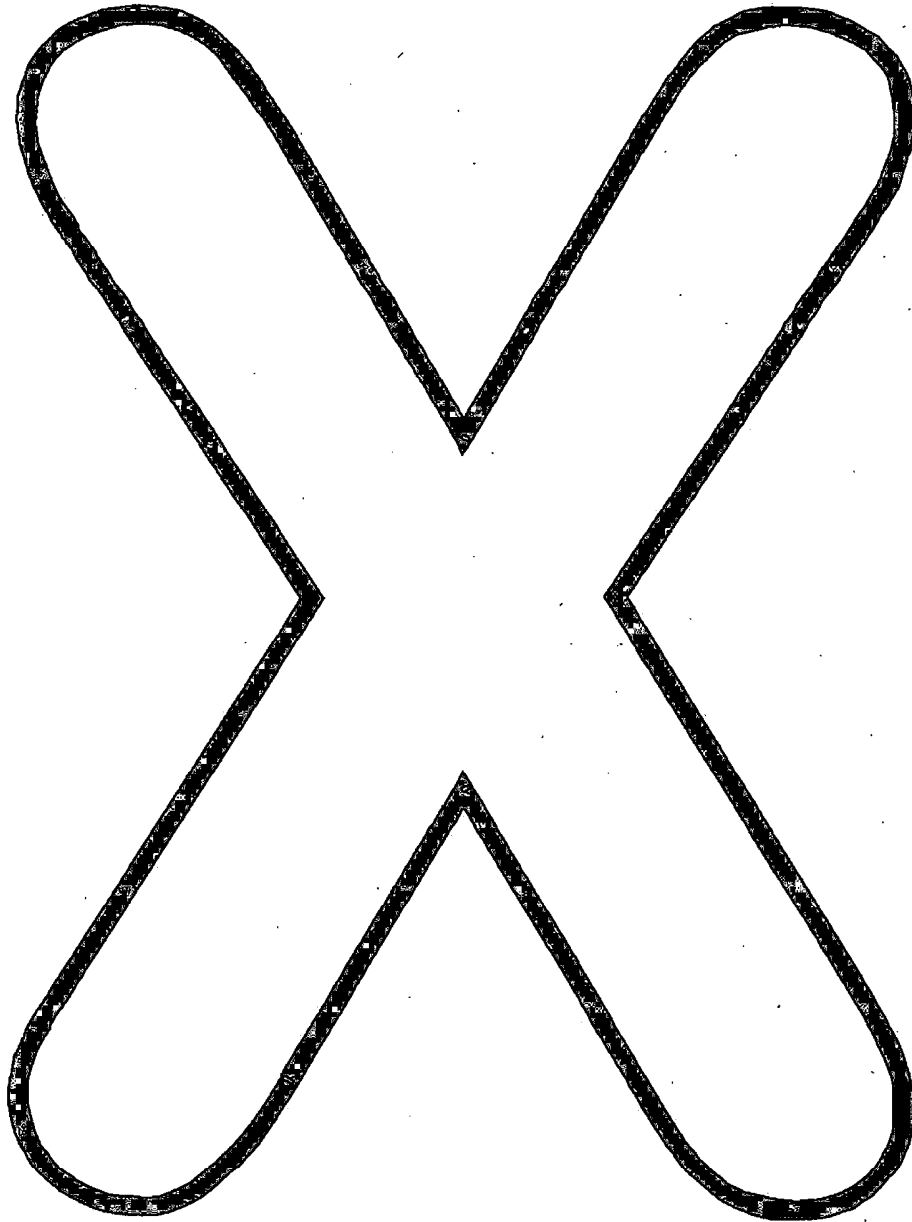
For the Commissioner:

\_\_\_\_\_  
Felicia A. Robinson  
Deputy Commissioner  
for Legal Affairs

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INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
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Frank O'Bannon  
Governor

July 11, 2003

Lori F. Kaplan  
Commissioner

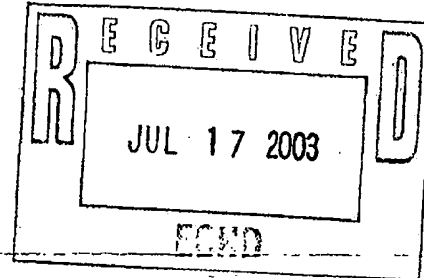
100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
[www.in.gov/idem](http://www.in.gov/idem)

**VIA CERTIFIED MAIL**

7000 0520 0023 5038 1660

61-53/LBH

Mr. William Melchior  
Environmental Test Systems  
P.O. Box 4659  
Elkhart, IN 46514



re: Request for Legal Action  
Environmental Test Systems  
Plant ID# 039-00187  
Elkhart, IN Elkhart County

Dear Mr. Melchior:

An investigation by the Office of Air Quality of the Department of Environmental Management indicates that Environmental Test Systems located at 23575 CR 106, Elkhart, IN, 46514 has violated 326 IAC 2-6 (copy enclosed) for failure to submit an emission statement for the past emission statement operating year. This letter is to inform you that I have requested that our Office of Enforcement pursue legal action for the above-mentioned violation. If legal action is initiated you will be issued a formal Notice of Violation informing you of how to proceed in resolving this matter.

If you need further information, please contact Paul Karkiewicz of my staff at the above address or by calling 574-245-4887 or (800)753-5519, press "0" and ask for Paul Karkiewicz.

Sincerely,

Mr. Phil Perry, Chief  
Air Compliance Branch  
Office of Air Quality

PSK/lbh  
Enclosure

cc: Paul Karkiewicz  
Northern Regional Office  
Office of Enforcement  
Ken Ritter, Section Chief/Technical Support & Modeling/Air Programs  
Michele Boner, Technical Support & Modeling/Air Programs  
Elkhart County Health Department  
File



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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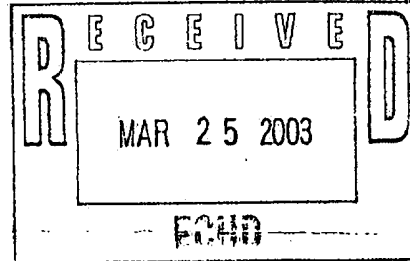
Frank O'Bannon  
Governor

Lori F. Kaplan  
Commissioner

100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
[www.in.gov/Idem](http://www.in.gov/Idem)

61-50smg  
7000 0600 0026 8290 0794  
ETS - Environmental Test Systems, Incorporated  
Mr. John Whetzell  
Post Office Box 4659  
Elkhart, IN 46514

March 14, 2003



Re: Violation Letter  
Source ID No. 039 CP3039 00187  
Quarterly Report for 4<sup>th</sup> Qtr. of 2002

Dear Mr. Whetzell:

The Office of Air Quality has recently completed a review of the 2002 Quarterly Report database. This review indicated that ETS - Environmental Test Systems, Incorporated has not submitted the quarterly report for the period covering the 4<sup>th</sup> Quarter of 2002.

As stated in Section C, General Reporting Requirements, this report shall be submitted within thirty (30) days after the end of the reporting period. Please submit this report within thirty (30) days from the date of this letter. Failure to submit this report may result in a referral to IDEM's Office of Enforcement. The report should be sent to the following address:

Indiana Department of Environmental Management  
Office of Air Quality, Compliance Data Section  
100 North Senate Avenue  
Indianapolis, IN 46204

If you believe that this letter has been sent in error and have records which show this report was submitted on or before the due date, please send a copy of the mail receipt with the copy of the report to the attention of Ms. Shiela Gonzales. Should you have any questions regarding this letter, please contact Shiela Gonzales at 317-232-0674. Thank you for your prompt attention to this matter.

Sincerely,

Ed Surla, Section Chief  
Compliance Data Section  
Office of Air Quality

CC: Paul Karkiewicz  
Elkhart General File  
Elkhart Board of Health  
Northern Regional Office



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Frank O'Bannon  
Governor

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Commissioner

Ms. Trissa Whitesell

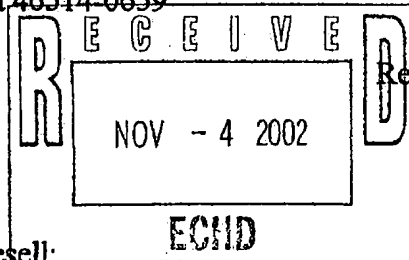
Environmental Test Systems, Inc.

P. O. Box 4659

Elkhart, Indiana 46514-0659

October 31, 2002

Northern Regional Office  
220 West Colfax Avenue, Suite 200  
South Bend, Indiana 46601-1634  
(219) 245-4870  
(800) 753-5519 Toll Free  
(219) 245-4877 Fax  
(800) 451-6027 EnviroLine  
[www.state.in.us/idem](http://www.state.in.us/idem)



Inspection Summary Letter  
Environmental Test Systems, Inc.  
IND 152 094 785  
Elkhart, Elkhart County

**COPY**

Dear Ms. Whitesell:

On October 29, 2002, a representative of the Indiana Department of Environmental Management, Office of Land Quality, conducted an inspection of Environmental test Systems, Inc., located at 23575 County Road 106; Elkhart, Indiana. This inspection was conducted pursuant to IC 13-14-2-2. For your information, and in accordance with IC 13-14-5, a summary of the inspection is provided below:

Type of Inspection:	XX	Complete Industrial Waste Inspection
	___	Limited Industrial Waste Inspection
	___	Complaint
	___	Other
Results of Inspection:	XX	No violations were observed
	___	Violations were observed but corrected during the inspection. See inspection report.
	___	Violations were observed. See inspection report.
	___	Additional information/review is required to evaluate overall compliance.
	___	Violations were observed and will be referred to the Office of Enforcement. See inspection report.

Please direct any response to this letter and any questions to me at 574/245-4890.

Sincerely,

John Howard

Environmental Manager II

Industrial Waste Compliance Section

Compliance and Response Branch

Enclosure

cc: Elkhart County Health Department



6-6-02

## ELKHART COUNTY GROUND WATER PROTECTION PROGRAM REGISTRATION AND INSPECTION FORM

Facility Name <u>Environmental Test Systems</u>		Facility I.D. Number <u>307</u>		Date <u>6-3-02</u>	
Address <u>23575 CR 106</u>		Contact Name <u>Trissa Whitesell</u>			
City <u>Elkhart</u>	Zip <u>46514</u>	Township <u>02</u>	Phone Number <u>262-2060</u>	NAICS <u>325998</u>	
<b>Purpose: (check all that apply)</b> Routine <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reinspection <input type="checkbox"/> Spill <input type="checkbox"/> Complaint <input type="checkbox"/> Other <input type="checkbox"/>			<b>Additional Information: (check all that apply)</b> Hazardous Waste Inspected: SQG <input type="checkbox"/> LQG <input type="checkbox"/> TSD <input type="checkbox"/> Unknown <input type="checkbox"/> SARA Title III:      Emergency Planning (EHS) <input type="checkbox"/> Toxic Chemical Release Reporting <input type="checkbox"/> Community Right-To-Know Requirements <input type="checkbox"/> Unknown <input type="checkbox"/>		
<b>Registration Exemption: (check all that apply)</b> No on-site wastewater disposal system <input checked="" type="checkbox"/> Resale of unopened products <input type="checkbox"/> Store < 100 kg/mo. of hazardous/toxic substances <input type="checkbox"/> Laboratory <input type="checkbox"/>					
The items marked below identify violations of the Elkhart County Ground Water Protection Ordinance 99-250. All violations should be corrected as soon as possible, but no later than the compliance time indicated under each violation. Failure to comply may result in the assessment of fines. Prior to the indicated compliance time written requests for the extension of compliance times or appeals regarding this inspection may be directed to the Elkhart County Health Department, 4230 Elkhart Road, Gosport, IN, 46526, (219) 875-3391.					
<b>Registration</b> 11 Registered on-site wastewater disposal systems (5.A.) (Immediate compliance) System 1: Type <u>CITY</u> Flow _____ Location _____ System 2: Type _____ Flow _____ Location _____ System 3: Type _____ Flow _____ Location _____ System 4: Type _____ Flow _____ Location _____ System 5: Type _____ Flow _____ Location _____ System 6: Type _____ Flow _____ Location _____ 12 Registered hazardous/toxic materials storage area (5.B.) (Immediate compliance) 13 Notified ECHD of changes to on-site wastewater disposal system or hazardous/toxic substances storage area (RR 2.C., RR 2.D.) (Immediate compliance)			<b>Outside Storage of Hazardous/Toxic Substances</b> 19 Storage on an impervious underlying base (RR 4.A.) (7 days to comply) 20 Storage in a containment system with adequate capacity (RR 4.A.) (14 days to comply) 21 Proper maintenance of containment system to protect integrity and capacity (RR 4.A.) (14 days to comply) 22 Proper removal or disposal of spilled material and accumulated precipitation (RR 4.A.) (7 days to comply) 23 Storage in product-tight containers (RR 4.C.) (7 days to comply) 24 Controlled drainage of precipitation in the containment system (RR 4.D.) (7 days to comply) 25 Storage in secondary containment (RR 4.A.) (14 days to comply)		
<b>On-site Wastewater Disposal System</b> 14 Furnished a wastewater characterization for each on-site wastewater disposal system (6.) (30 days to comply)			<b>Temporary Storage Areas</b> 26 Storage on an impervious underlying base (RR 4.H.) (7 days to comply) 27 Storage does not exceed two (2) business days (RR 4.H.) (2 days to comply) 28 Spill response plan (RR 4.H.) (7 days to comply)		
<b>Inspections</b> 15 Upon notice of a violation, correct the violation as requested (12.B.) (Immediate compliance) 16 Provided requested information to determine compliance with ordinance (13.C.) (Immediate compliance)			<b>Spills</b> 29 Spill of a toxic or hazardous substance (4.) (Immediate compliance) 30 Discharge of process wastewater into or above an aquifer (4.) (Immediate compliance) 31 Reportable spill due to quantity requirements (10.A. and 10.C.) (Immediate compliance) 32 Reportable spill damaging waters of the state (10.A. and 10.C.) (Immediate compliance) 33 Reportable spill due to no spill response (10.A.) (Immediate compliance) 34 Undertake spill response activities (10.C.) (7 days to comply)		
<b>Indoor Storage of Hazardous/Toxic Substances</b> 17 Toxic/hazardous substances located in a manner to prevent a spill onto the ground (RR 4.B.) (7 days to comply) 18 Toxic/hazardous substances located in a manner to prevent a spill into a drain that is connected to an on-site wastewater disposal system (RR 4.B.) (7 days to comply)			No violations		
Follow-up Action: Reinspection on or about ____/____/____ Routine (Priority Category) 1 <u>(2)</u> 3 0			Received by: <u>Trissa Whitesell</u> Inspected by: <u>Tammy Liles</u>		

\*Compliance with the Elkhart County Ground Water Protection Ordinance does not exempt this facility from any other federal, state or local laws, codes or regulations.  
1/00      White - ECHD 1 Yellow - Facility Pink - ECHD 2

Page 1 of 2

FLEX01\_00000623

6-602

FACILITY NAME Environmental Test Systems FACILITY ID NUMBER 307

[illegible]Page 2 of 2

**ELKHART COUNTY  
GROUND WATER PROTECTION ORDINANCE  
INSPECTION FORM**

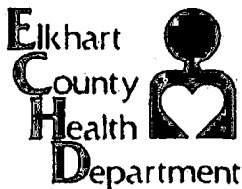
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8-23-97

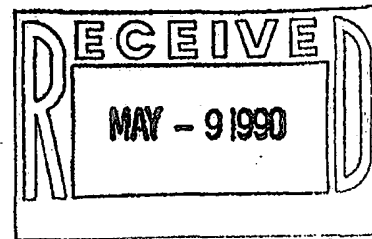
**ELKHART COUNTY  
GROUND WATER PROTECTION ORDINANCE  
HAZARDOUS/TOXIC SUBSTANCE INVENTORY**

PAGE 2 OF 2COMPANY NAME Environmental Test SystemsDate 8/13/97

SUBSTANCE	LOCATION	AMT	CPCTY	CONTAINER	COMPLY
1. <u>Hazardous Waste</u>	<u>Inside</u>	<u>155</u>	<u>55gal</u>	<u>drum</u>	<u>Y</u>
2. <u>Non Hazardous Waste</u>		<u>2</u>	<u>55gal</u>	<u>drum</u>	
3. <u>Quinoline</u>		<u>1</u>	<u>5gal</u>	<u>plastic</u>	
4. <u>Quinoline</u>		<u>1</u>	<u>10gal</u>	<u>plastic</u>	
5. <u>Q-Methylhydroperoxide</u>		<u>1</u>	<u>55gal</u>	<u>drum</u>	
6. <u>Ethyl Acetate</u>		<u>1</u>	<u>55gal</u>	<u>drum</u>	
7. <u>Hazardous waste</u>		<u>2</u>	<u>55gal</u>	<u>drum</u>	
8. <u>Q-Methylhydroperoxide</u>		<u>1</u>	<u>35gal</u>	<u>drum</u>	
9. <u>Isopropanol</u>	<u>↓</u>	<u>16</u>	<u>1gal</u>	<u>glass</u>	
* 10. <u>Ethyl Acetate</u>	<u>Outside</u>	<u>16</u>	<u>55gal</u>	<u>drum</u>	
* 11. <u>Reagent Alcohol</u>	<u>↓</u>	<u>1</u>	<u>250gal</u>	<u>AST</u>	
* 12. <u>Ethyl Acetate</u>	<u>↓</u>	<u>1</u>	<u>250gal</u>	<u>AST</u>	<u>Y</u>
13. <u>Misc Lab. chemicals</u>	<u>Inside</u>			<u>other</u>	<u>Y</u>
14.					
15.	* Note: 11 & 12 currently empty				
16.					
17.					
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26.					



Elkhart County Ground Water  
Protection Ordinance  
REGISTRATION FORM  
(see back for directions)



SECTION I

GENERAL INFORMATION

- A. NAME OF BUSINESS Environmental Test Systems, Inc.  
ADDRESS 23575 C.R. 106  
CITY Elkhart ZIP CODE 46514  
TOWNSHIP Osolo
- B. CONTACT PERSON E. Michael Presnal PHONE (219) 262 - 2060  
ALTERNATE PHONE (219) 259 - 1513
- C. Are you RCRA inspected? YES \_\_\_\_\_ NO XXX if YES when was the last inspection \_\_\_\_\_
- D. Has CERCLA information been provided to Elkhart County? YES XXX NO \_\_\_\_\_

SECTION II

ON-SITE WASTEWATER DISPOSAL REGISTRATION

A. Type	B. Purpose	C. Location	D. Estimated Flow
<del>1. Septic</del>	<del>Sanitary/Detergents</del>	<del>70' East &amp; 12' North from the</del>	<del>375 gpd max.</del>
<del>2. Septic</del>	<del>Sanitary/Detergents</del>	<del>35' South &amp; 15' East from the</del>	<del>375 gpd max.</del>
2. Septic	Sanitary/Detergents	70' East & 12' North from the Southeast corner, Bldg #2	375 gpd max.
1. Septic	Sanitary/Detergents	35' South & 15' East from the Southwest corner of Bldg #1	375 gpd max.

SECTION III

STORAGE OF TOXIC OR HAZARDOUS SUBSTANCES  
(not required if registered under CERCLA)

A. Substance	B. Class	C. Maximum Amount	D. Location	E. Type of Container
Zinc Powder,	Ignitable/reactive,	200#	Northwest wall of warehouse 2,	Metal Pail(closed)

TO BE RETURNED TO ELKHART COUNTY HEALTH DEPARTMENT  
PRIOR TO MAY 1, 1990

Address: 315 So. Second Street  
Elkhart, IN 46516  
Phone: (219) 523-2272

FLEX01\_00000627

## SECTION I

## GENERAL INFORMATION

- A. Name of facility, address, city, zip code
- B. Contact person at facility, phone number, alternate phone number
- C. Does your facility fall under the Resource Conservation and Recovery Act, and are you subject to RCRA inspections? When was the last time you were inspected, if you haven't been inspected, indicate that you have not been.
- D. Indicate if Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) information has been provided to the County. If it has, only fill in Section I & II.

## SECTION II

## ON-SITE WASTEWATER DISPOSAL REGISTRATION

- A. Identify all on-site wastewater disposal systems discharging into the ground. These include such systems as: septic, dry wells, unlined lagoons, oil-water separators or other field absorption systems. Please list each one separately.
- B. Identify the purpose of the disposal system such as, sewage, cooling water, etc. Also indicate if any process wastes or chemicals discharge to this system and identify them.
- C. Identify the location of each system as closely as possible. Example:  
Septic system 50' south of south west corner and 20' west  
of south west corner of building 2.  
It may help to attach a drawing.
- D. Determine the flow rate to each system in gallons per day. Most systems will normally have been determined when they were designed. Refer to the engineering plans possibly in your files. We may be able to help you with this information.

## SECTION III

## STORAGE OF TOXIC OR HAZARDOUS SUBSTANCES

- A. Identify each type of hazardous substance as defined in the Elkhart County Ground Water Protection Ordinance (summary attached). These substances include any materials defined in Section 101 (14) of CERCLA, petroleum (including crude oil or any fraction thereof) which is liquid and standard conditions of temperature and pressure (60 fahrenheit and 14.7 pounds per square inch absolute), radioactive and infectious substances as defined by any applicable local, state or federal law or regulation.
- B. Classify each substance as:
  - Ignitable = combustible, flammable or explosive
  - Corrosive = dissolves material or burns skin
  - Reactive = unstable, undergoes rapid or violent chemical reaction with water or other material
  - Toxic = any substance defined in Section 101 (14) of CERCLA
- C. Indicate the maximum amount of the substance at any given time.
- D. Identify the location (as close as possible) and surface material where the substance is stored. (May use back or provide diagram.)
- E. Identify the type of container in which the substance is stored. Example:  
Covered 55 gallon metal drum.

8-30-96

**FLEX01 00000629**

6W-307

**ELKHART COUNTY  
GROUND WATER PROTECTION ORDINANCE  
HAZARDOUS/TOXIC SUBSTANCE INVENTORY**

PAGE 2 OF 2COMPANY NAME ENVIRONMENTAL TEST SYSTEMSDate 8-22-96

SUBSTANCE	LOCATION	AMT	CPCTY	CONTAINER	COMPLY
1. <u>NON HAZ WASTE</u>	<u>FINISH GOOD WASH</u>	<u>3</u>	<u>55gal</u>	<u>DRUMS</u>	<u>Y</u>
2. <u>HAZ WAST</u>	<u>" IN CABINET</u>	<u>2</u>	<u>55gal</u>	<u>DRUMS</u>	<u>Y</u>
3. <u>REAGENT ALCOHOL</u>	<u>MIXING AREA</u>	<u>36</u>	<u>1 LITRE</u>	<u>OTHER</u>	<u>Y</u>
4. <u>ADHESIVE</u>	<u>"</u>	<u>12</u>	<u>56AL</u>	<u>"</u>	<u>"</u>
5. <u>ASSORTED REAGENTS</u>	<u>"</u>	<u>130</u>	<u>PINTS</u>	<u>"</u>	<u>"</u>
6. <u>HEXANE REAGENT</u>	<u>"</u>	<u>10</u>	<u>GALLON</u>	<u>"</u>	<u>"</u>
7. <u>ACETONE REAGENT</u>	<u>"</u>	<u>4</u>	<u>GALLON</u>	<u>"</u>	<u>"</u>
8. <u>METHANOL REAGENT</u>	<u>"</u>	<u>2</u>	<u>GALLON</u>	<u>"</u>	<u>"</u>
9. <u>TOLUENE REAGENT</u>	<u>"</u>	<u>2</u>	<u>GALLON</u>	<u>"</u>	<u>"</u>
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2-22-94

PHONE NUMBER 262-2060 CONTACT NAME Michael Presnal

[ ☒ ] WASTE WATER CHARACTERIZATION PROVIDED / NEXT DUE N/A

EXEMPTIONS: ☐ REGISTRATION ☒ W.W.C. ☐ NONE

[illegible]

FACILITY CONTACT PERSON

INITIALS

**FLEX01 00000631**

**ELKHART COUNTY**  
**GROUND WATER PROTECTION ORDINANCE**  
**HAZARDOUS/TOXIC SUBSTANCE INVENTORY**

PAGE 2 OF 2

COMPANY NAME Environmental Test Systems

SUBSTANCE	LOCATION	AMT	CPCTY	CONTAINER	COMPLY
1. reagent alcohol	inside-warehouse	36	1 litre	other	Y
2. liquid haz waste	inside-waste storage	2	55gal	drum	Y
3. liquid "non-haz" waste	" " "	3	55gal	drum	Y
4. liquid waste	safety cabinet	2	55gal	drum	Y
5. adhesive	inside	12	5gal	other	Y
6. assorted RAD reagents	safety cabinet	±20	pint	other	Y
7. adhesive	production area	11	5gal	other	Y
8. assorted reagents	reagent storage	±30	pint	other	Y
9. hexane reagent	safety cabinet	10	gallon	other	Y
10. acetone reagent	" "	4	gallon	other	Y
11. reagent alcohol	" "	9	gallon	other	Y
12. methanol reagent	" "	2	gallon	other	Y
13. toluene reagent	" "	2	gallon	other	Y
14. liq. haz waste	reagent storage	1	55gal	drum	Y
15. "non-haz" liq waste	" "	1	55gal	drum	Y
16.					
17.					
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## E

PHONE NUMBER 262-2060 CONTACT NAME Michael Fresnal

EXEMPTIONS: ☐ REGISTRATION ☐ W.W.C. ☒ NONE

[illegible]

X E. Michael Presnal  
FACILITY CONTACT PERSON

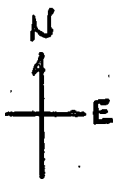
INITIALS 

**FLEX01 00000633**

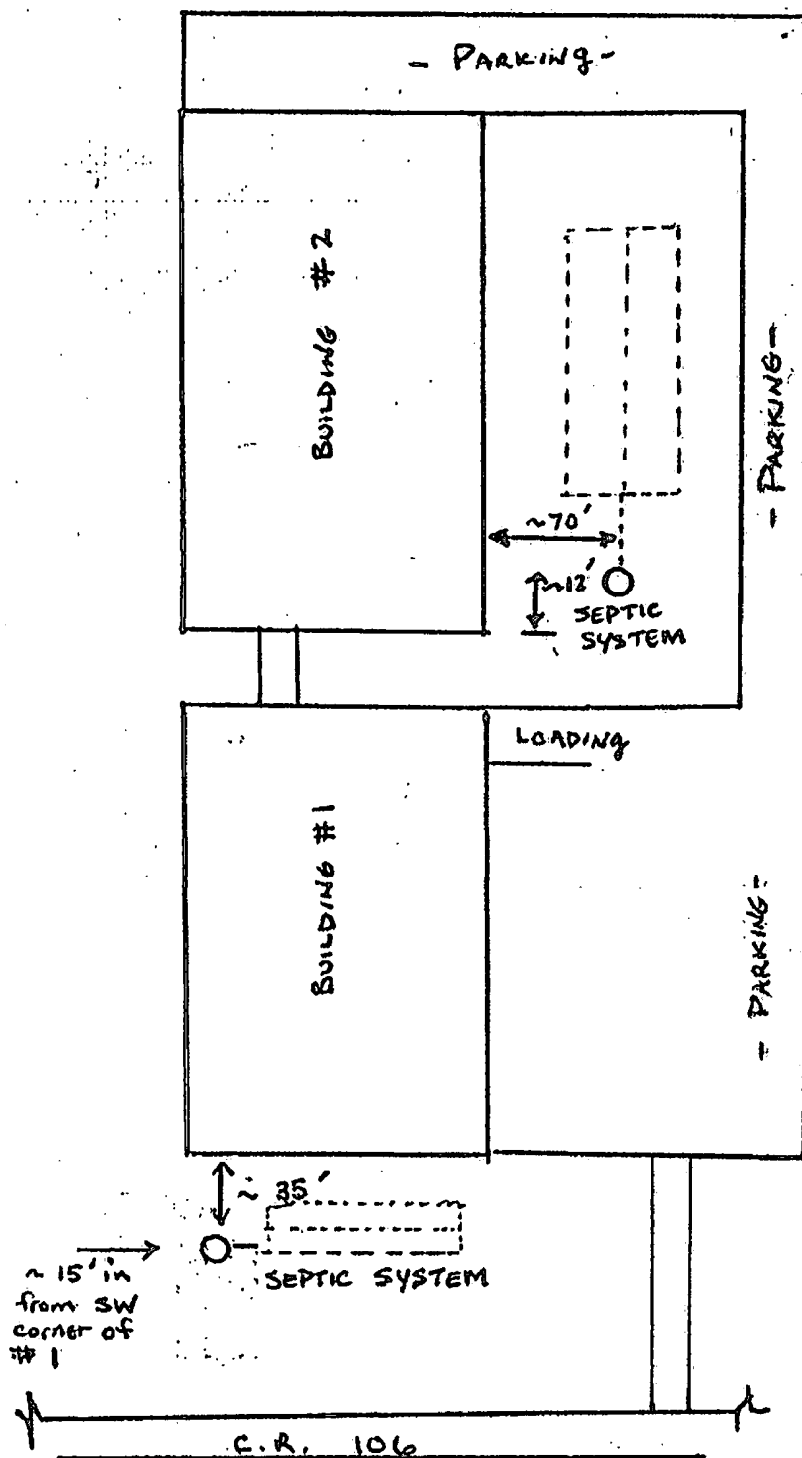
ELKHART COUNTY  
GROUND WATER PROTECTION ORDINANCE  
HAZARDOUS/TOXIC SUBSTANCE INVENTORY

PAGE      OF     

SUBSTANCE	LOCATION	AMT	CPCTY	CONTAINER	COMPLY
1. liquid mixed waste	safety cabinet	2	55gal	steel	Y
2. non-hazardous waste stream	inside	6	55gal	steel	Y
3. reagent alcohol - 9 cases @ 16 litre/case	inside	-	-	aluminum	Y
4. adhesive (1,1,1-TCA)	inside	4	5gal	plastic	Y
5. <sup>various</sup> flammable solvents	safety cabinet	45	4 litre	glass/aluminum	Y
6. HCL	safety cabinet	15	25 litre	glass	Y
7. glacial acetic acid	" "	1	2.5 litre	glass	Y
8. ethanolamine	production room	1	5gal	plastic	Y
9. ethylene glycol	" "	1	5gal	steel	Y
10. "Gantrez" AN-119 polymer	" "	2	5gal	plastic	Y
11. satellite storage - hazardous/non-hazardous waste		2	55gal	steel	Y
12. flammable waste - satellite storage		1	2gal	steel	Y
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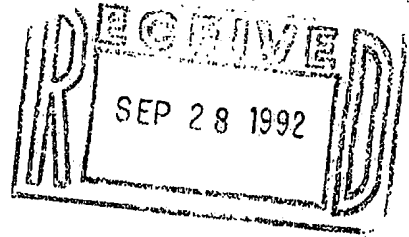


ENVIRONMENTAL TEST SYSTEMS, Inc.





Environmental Test Systems, Inc.



September 24, 1992

Elkhart County Health Department  
4230 Elkhart Road  
Goshen, IN 46526

Attention: Mr. Geoffrey Downie

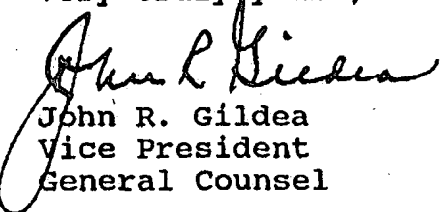
Gentlemen:

We refer to the Inspection Form dated July 22, 1992 issued to Environmental Test Systems, Inc. (I.D. #GW507). In particular, we note the requirements for a VOC analysis of each of two septic systems at our plant.

The City of Elkhart has recently extended a sewer main to our facility, utilizing an infrastructure grant from the Indiana Department of Commerce partially to fund such extensions. Environmental Test Systems has submitted waste water analysis data to the Waste Water Treatment Plant authorities in order to obtain a connection permit. These data and discussions concerning them are now completed and we are planning connection within the next 30 days. Connection to the municipal system will include crushing and fill of the existing septic systems.

In light of this imminent transition to the municipal utility, we believe the requested VOC analysis has become moot and we would like to avoid the \$700 expense of the tests. We trust you agree. We will act on the assumption that the tests are not necessary unless notified otherwise. We are happy to provide confirmation of the Waste Water Treatment Plant permitting documentation if requested.

Very truly yours,

  
John R. Gildea  
Vice President  
General Counsel

/le

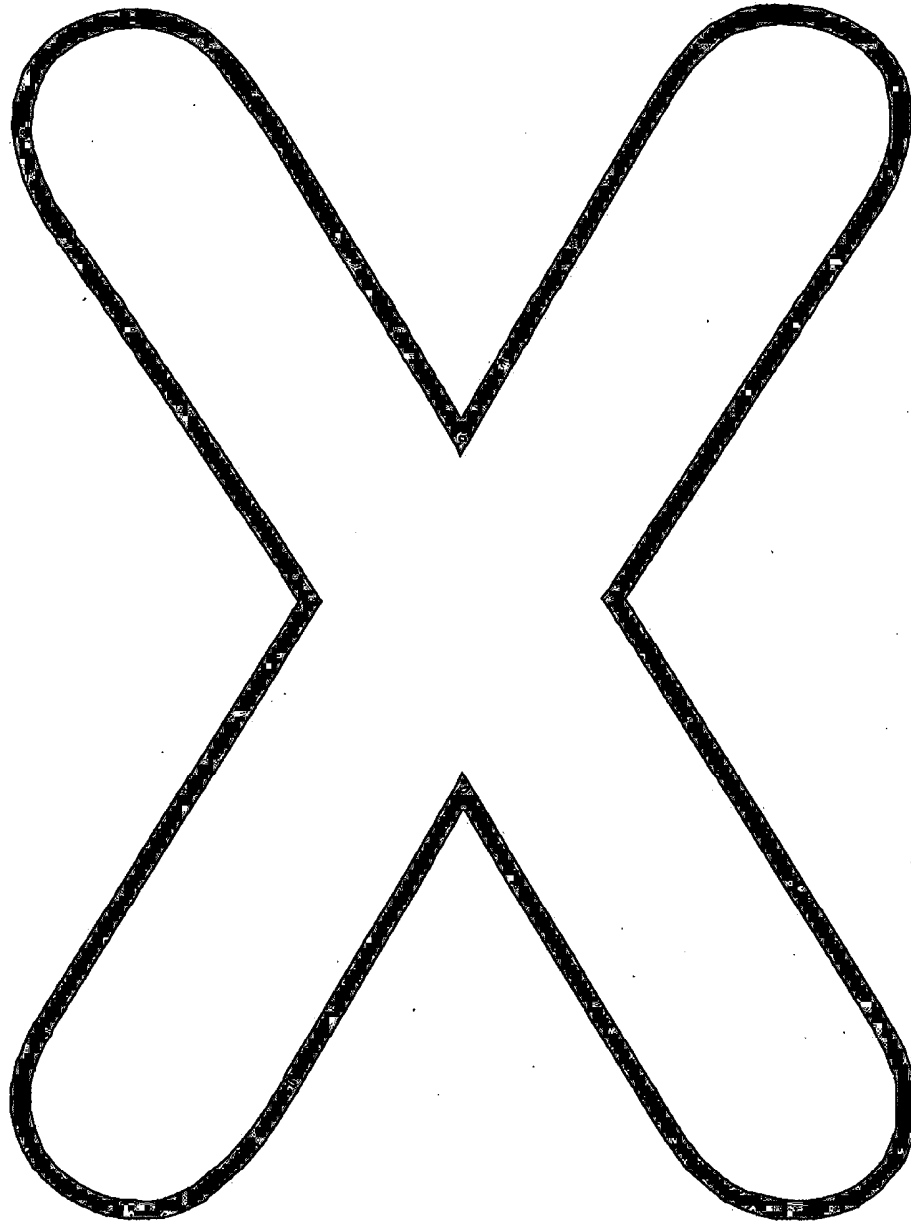
pc: E. Michael Presnal, ETS

(3230)

# Multi-Page Separator Sheet

NOTE: This separator page has been inserted to designate the beginning of a group of pages originally attached or grouped by staple, paperclip, folder, etc. This page is not part of the original document.

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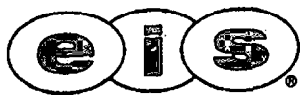
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December 3, 1992

Mr. Mike Presnal  
Environmental Test Systems  
P.O. Box 4659  
Elkhart, IN 46514

Dear Mike:

Enclosed please find the laboratory analytical report on the two septic tank samples collected from your facility on 10-30-92.

A low level of Toluene (below drinking water standards) was found in the sample from the tank on the east side of the building. However, the sample from the tank on the southwest side of the building was found to contain relatively high levels of 1,1-Dichloroethene and 1,1,1-Trichloroethane.

Please call if you have any questions.

Sincerely,

EIS ENVIRONMENTAL ENGINEERS, INC.

John R. Wingard, P.E.  
Senior Engineer

JRW/lah

Encl.





## ANALYTICAL REPORT

**Client:**

Mr Mike Presnal  
Environmental Test Systems  
P.O. Box 4659  
Elkhart, Indiana 46514  
1-262-2060

**Report Date:** 12-02-92

EIS Lab No: 6162  
EIS Project No: 2019-5203-92  
EIS Priority: 4  
Client P.O.#: LOA 102792

**Invoice To:**

Project 5203-92

**SAMPLE IDENTIFICATION**

Sample ID: S 1  
S W SIDE OF BLDG  
Date Sampled: 10-30-92  
Date Received: 10-30-92

**Report To:**

Mr John R. Wingard

**Extra Report To:**

<u>PARAMETER</u>	<u>UNITS</u>	<u>RESULT</u>	<u>TEST DATE</u>	<u>ANALYST</u>	<u>QUALITY CONTROL</u>	
					<u>%RSD</u>	<u>%R</u>
VOC		*	11-11-92	Miller,J		

\* See Attached ORGANICS REPORT

**SUPPORT INFORMATION**

A Trip Blank showed no contaminants of interest.  
Chromatograms of the analysis are enclosed.  
Chain-of-Custody document is enclosed

  
LABORATORY DIRECTOR

## ORGANICS REPORT

SAMPLE ID: S 1  
S W SIDE OF BLDG

REPORT DATE: 12/02/92  
EIS LAB NO: 6162

## VOLATILE ORGANIC COMPOUNDS/PETROLEUM HYDROCARBONS

Analysis Method: 601 + 602

Reporting Units: ppb

Abbreviations and report  
symbols are explained  
on the following page

Sample Dilution: 1/50

EQL Multiplier: 50

COMPOUND NAME	RESULT	EQL	COMPOUND NAME	RESULT	EQL
Acetone	ND	10	c-1,3-Dichloropropene	ND	2
Benzene	ND	1	t-1,3-Dichloropropene	ND	2
Bromobenzene	ND	1	Diethyl Ether	ND	10
Bromochloromethane	ND	1	Ethylbenzene	ND	1
Bromodichloromethane	ND	1	Hexachlorobutadiene	ND	2
Bromoform	ND	2	2-Hexanone	ND	10
Bromomethane	ND	5	Isopropyl Benzene	ND	2
n-Butyl Benzene	ND	2	p-Isopropyltoluene	ND	2
Sec-Butyl Benzene	ND	2	Methylene Chloride	ND	2
tert-Butyl Benzene	ND	2	Methyl Ethyl Ketone	ND	10
Carbon Tetrachloride	ND	2	Methyl Isobutyl Ketone	ND	10
Chlorobenzene	ND	1	Naphthalene	ND	2
Chlorodibromomethane	ND	1	n-Propyl Benzene	ND	2
Chloroethane	ND	5	Styrene	ND	1
Chloroform	ND	1	tert-Butyl Methyl Ether	ND	2
1-Chlorohexane	ND	2	1,1,1,2-Tetrachloroethane	ND	2
Chloromethane	ND	10	1,1,2,2-Tetrachloroethane	ND	2
2-Chlorotoluene	ND	1	Tetrachloroethene	ND	1
4-Chlorotoluene	ND	1	Tetrahydrofuran	ND	10
1,2-Dibromoethane	ND	1	Toluene	ND	1
1,2-Dichlorobenzene	ND	2	1,2,3-Trichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	2	1,2,4-Trichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	2	1,1,1-Trichloroethane	2770	1
Dichlorodifluoromethane	ND	5	1,1,2-Trichloroethane	ND	1
1,1-Dichloroethane	90	1	Trichloroethene	ND	1
1,2-Dichloroethane	ND	1	Trichlorofluoromethane	ND	2
1,1-Dichloroethene	1340	2	1,2,3-Trichloropropane	ND	5
c-1,2-Dichloroethene	ND	1	1,1,2-TCTFE*	ND	2
t-1,2-Dichloroethene	ND	1	1,2,4-Trimethylbenzene	ND	2
Dichlorofluoromethane	ND	5	1,3,5-Trimethylbenzene	ND	2
1,2-Dichloropropane	ND	1	Vinyl Chloride	ND	2
1,3-Dichloropropane	ND	2	m + p-Xylenes	ND	1
1,1-Dichloropropene	ND	2	o-Xylene	ND	1
			PETROLEUM HYDROCARBONS	ND	200

# ORGANICS REPORT

SAMPLE ID: S 1  
S W SIDE OF BLDG

REPORT DATE: 12/02/92  
EIS LAB NO: 6162

## SURROGATE RECOVERY (Method 601 + 602)

Compound Name	QC Limits	% Recovery
1-Bromo-2-chloroethane	70 - 130	92
1,4-Dichlorobutane	70 - 130	112
Toluene, d8	70 - 130	97
1,9-Decadiene	70 - 130	103

## DEFINITIONS

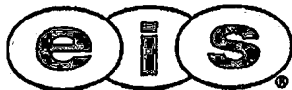
- o ppb = Parts per billion = micrograms per liter (µg/l)
- o ND = Not Detected
- o EQL = Estimated Quantitation Limit, in ppb, for a sample which did not require a dilution prior to analysis. EQL can be thought of as a "Detection Limit".

If the sample dilution is shown as None (and the EQL Multiplier is 1), interpret Not Detected results according to the EQL values shown. An example is [Styrene = ND at a Detection Limit of 1 ppb]

If this sample required a dilution, the values in the EQL column must be multiplied by the EQL Multiplier prior to interpreting Not Detected results. An example is [Styrene = ND and EQL Multiplier = 10 Styrene was Not Detected at a Detection Limit of 10 ppb]

The EQL Multiplier is not used to adjust values shown in the result column. Result values have been corrected for dilutions.

- o [ ] = Detected but below EQL and the result shown is an estimate.
- o The \* compound (1,1,2-TCTFE) is 1,1,2-Trichloro-1,2,2-trifluoroethane.
- o Petroleum Hydrocarbons, if their presence is noted in this analysis, are reported in terms of #2 fuel oil. No attempt has been made to identify the product responsible for the Petroleum Hydrocarbon response.



## ANALYTICAL REPORT

**Client:**

Mr Mike Presnal  
Environmental Test Systems  
P.O. Box 4659  
Elkhart, Indiana 46514  
1-262-2060

**Report Date:** 12-02-92

EIS Lab No: 6163  
EIS Project No: 2019-5203-92  
EIS Priority: 4  
Client P.O.#: LOA 102792

**Invoice To:**

Project 5203-92

**SAMPLE IDENTIFICATION**

Sample ID: S 2  
EAST SIDE OF BLDG  
Date Sampled: 10-30-92  
Date Received: 10-30-92

**Report To:**

Mr John R. Wingard

**Extra Report To:**

<u>PARAMETER</u>	<u>UNITS</u>	<u>RESULT</u>	<u>TEST DATE</u>	<u>ANALYST</u>	<u>QUALITY CONTROL</u>	
					<u>%RSD</u>	<u>%R</u>
VOC		*	11-11-92	Miller,J		

\* See Attached ORGANICS REPORT

**SUPPORT INFORMATION**

A Trip Blank showed no contaminants of interest.  
Chromatograms of the analysis are enclosed.  
Chain-of-Custody document is enclosed

  
LABORATORY DIRECTOR

## ORGANICS REPORT

SAMPLE ID: S 2

EAST SIDE OF BLDG

REPORT DATE: 12/02/92

EIS LAB NO: 6163

## VOLATILE ORGANIC COMPOUNDS/PETROLEUM HYDROCARBONS

Analysis Method: 601 + 602

Reporting Units: ppb

Abbreviations and report  
symbols are explained  
on the following page

Sample Dilution: 1/10

EQL Multiplier: 10

COMPOUND NAME	RESULT	EQL	COMPOUND NAME	RESULT	EQL
Acetone	ND	10	c-1,3-Dichloropropene	ND	2
Benzene	ND	1	t-1,3-Dichloropropene	ND	2
Bromobenzene	ND	1	Diethyl Ether	ND	10
Bromochloromethane	ND	1	Ethylbenzene	ND	1
Bromodichloromethane	ND	1	Hexachlorobutadiene	ND	2
Bromoform	ND	2	2-Hexanone	ND	10
Bromomethane	ND	5	Isopropyl Benzene	ND	2
n-Butyl Benzene	ND	2	p-Isopropyltoluene	ND	2
Sec-Butyl Benzene	ND	2	Methylene Chloride	ND	2
tert-Butyl Benzene	ND	2	Methyl Ethyl Ketone	ND	10
Carbon Tetrachloride	ND	2	Methyl Isobutyl Ketone	ND	10
Chlorobenzene	ND	1	Naphthalene	ND	2
Chlorodibromomethane	ND	1	n-Propyl Benzene	ND	2
Chloroethane	ND	5	Styrene	ND	1
Chloroform	ND	1	tert-Butyl Methyl Ether	ND	2
1-Chlorohexane	ND	2	1,1,1,2-Tetrachloroethane	ND	2
Chloromethane	ND	10	1,1,2,2-Tetrachloroethane	ND	2
2-Chlorotoluene	ND	1	Tetrachloroethene	ND	1
4-Chlorotoluene	ND	1	Tetrahydrofuran	ND	10
1,2-Dibromoethane	ND	1	Toluene .....	54	1
1,2-Dichlorobenzene	ND	2	1,2,3-Trichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	2	1,2,4-Trichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	2	1,1,1-Trichloroethane	ND	1
Dichlorodifluoromethane	ND	5	1,1,2-Trichloroethane	ND	1
1,1-Dichloroethane	ND	1	Trichloroethane	ND	1
1,2-Dichloroethane	ND	1	Trichlorofluoromethane	ND	2
1,1-Dichloroethene	ND	2	1,2,3-Trichloropropane	ND	5
c-1,2-Dichloroethene	ND	1	1,1,2-TCTFE*	ND	2
t-1,2-Dichloroethene	ND	1	1,2,4-Trimethylbenzene	ND	2
Dichlorofluoromethane	ND	5	1,3,5-Trimethylbenzene	ND	2
1,2-Dichloropropane	ND	1	Vinyl Chloride	ND	2
1,3-Dichloropropane	ND	2	m + p-Xylenes	ND	1
1,1-Dichloropropene	ND	2	o-Xylene	ND	1
			PETROLEUM HYDROCARBONS	ND	200

## ORGANICS REPORT

SAMPLE ID: S 2  
EAST SIDE OF BLDG

REPORT DATE: 12/02/92  
EIS LAB NO: 6163

## SURROGATE RECOVERY (Method 601 + 602)

<u>Compound Name</u>	<u>QC Limits</u>	<u>% Recovery</u>
1-Bromo-2-chloroethane	70 - 130	75
1,4-Dichlorobutane	70 - 130	89
Toluene, d8	70 - 130	101
1,9-Decadiene	70 - 130	101

## DEFINITIONS

- o ppb = Parts per billion = micrograms per liter ( $\mu\text{g/l}$ )
- o ND = Not Detected
- o EQL = Estimated Quantitation Limit, in ppb, for a sample which did not require a dilution prior to analysis. EQL can be thought of as a "Detection Limit".

If the sample dilution is shown as None (and the EQL Multiplier is 1), interpret Not Detected results according to the EQL values shown. An example is [Styrene = ND at a Detection Limit of 1 ppb]

If this sample required a dilution, the values in the EQL column must be multiplied by the EQL Multiplier prior to interpreting Not Detected results. An example is [Styrene = ND and EQL Multiplier = 10 Styrene was Not Detected at a Detection Limit of 10 ppb]

The EQL Multiplier is not used to adjust values shown in the result column. Result values have been corrected for dilutions.

- o [ ] = Detected but below EQL and the result shown is an estimate.
- o The \* compound (1,1,2-TCTFE) is 1,1,2-Trichloro-1,2,2-trifluoroethane.
- o Petroleum Hydrocarbons, if their presence is noted in this analysis, are reported in terms of #2 fuel oil. No attempt has been made to identify the product responsible for the Petroleum Hydrocarbon response.

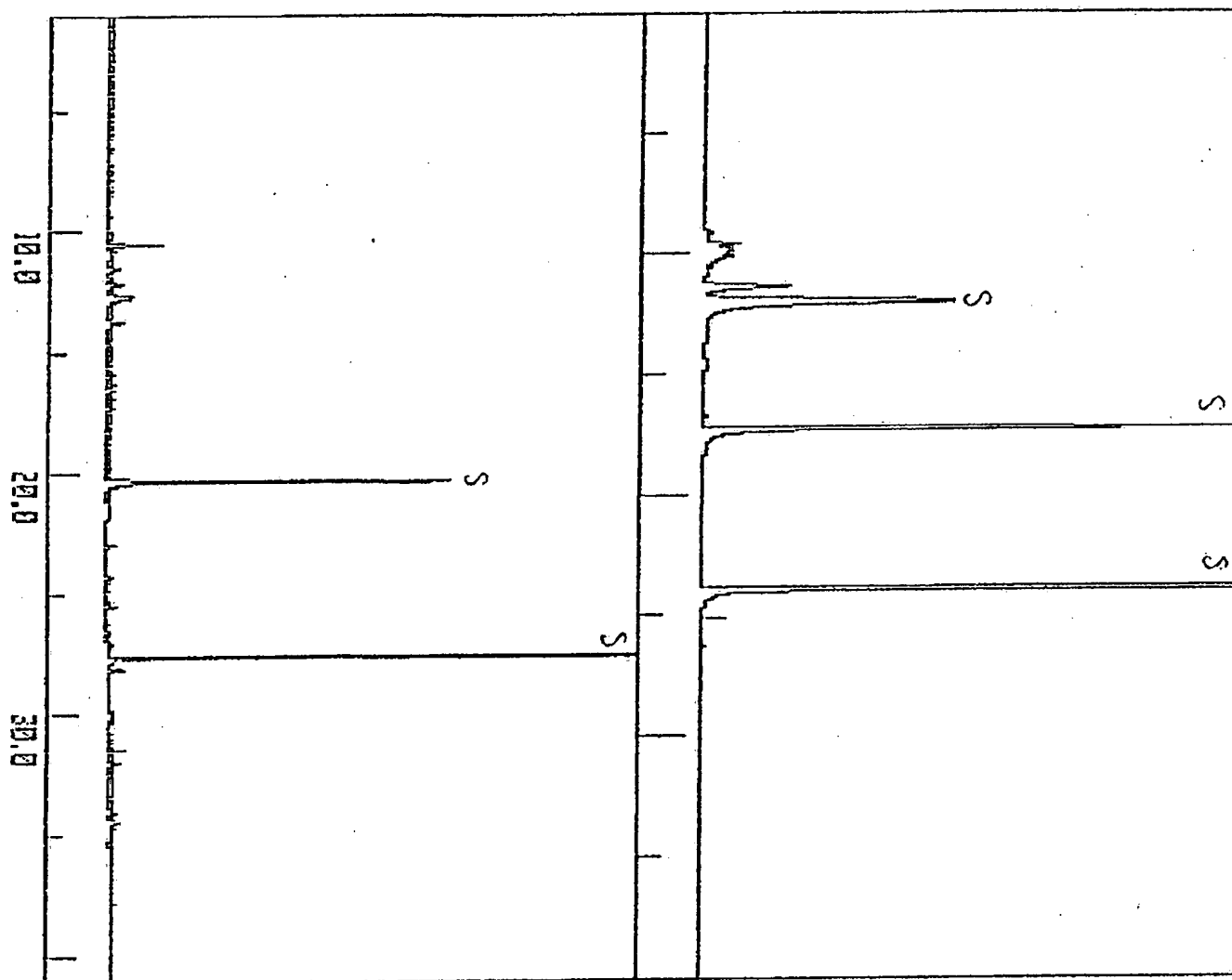
**FLEX01\_00000645**

[illegible]

# Method Blank

Real Time Chromatogram of 5ml DIW BLANK  
Range = 5 mV Offset = 6.482 mV

From 0 min To 40 min  
Range = 80 mV Offset = -3.143 mV



-----  
Sample Name 5ml DIW BLANK

Date: 11 Nov 1992 12:34 Method: 205PIDm  
Interface: 707 Cycle#: 1 Channel#: A

Operator: JAM  
Vial#: -1

-----  
NOTE: The Data Was Stored In File 0316P11: ,700,0,3

NOTE: S = Surrogate Compounds added by EIS  
to every sample.

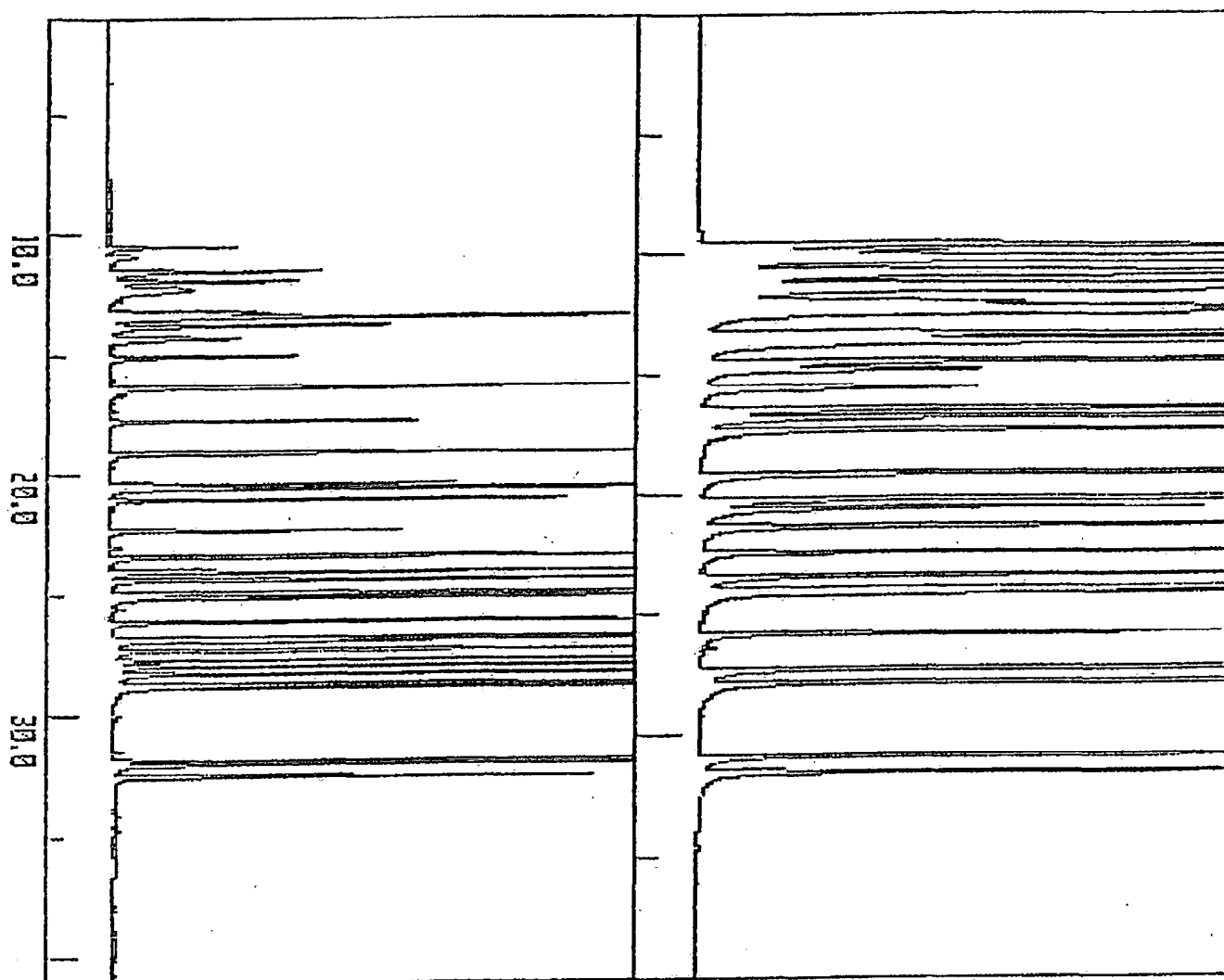


# Daily Calibration Standard

Real Time Chromatogram of DAILY CK STD+GCSI L2 From 0 min To 40 min

Range = 5 mV Offset = 6.473 mV

Range = 80 mV Offset = -3.147 mV

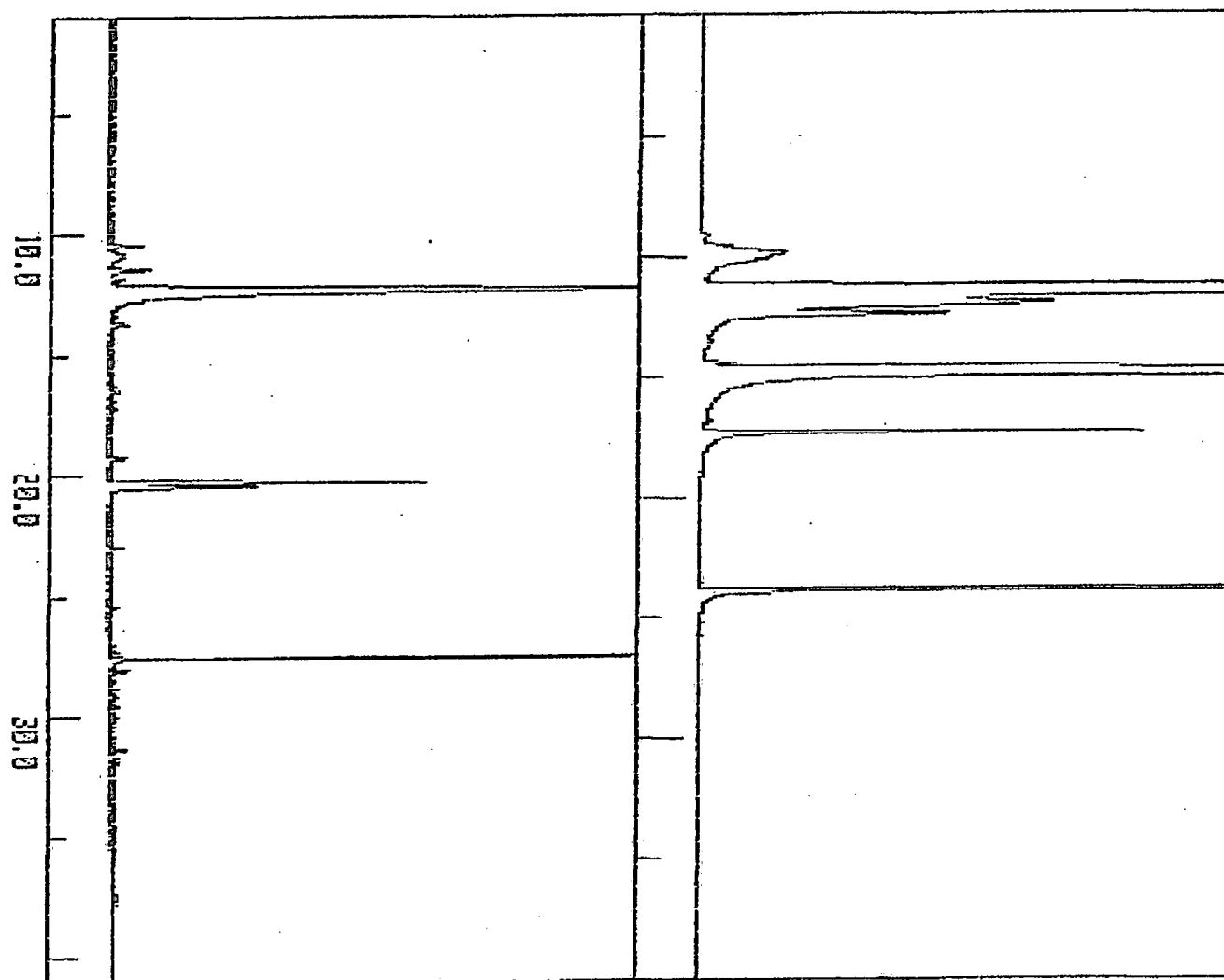


-----  
Sample Name DAILY CK STD+GCSI L2

Date: 11 Nov 1992 13:36 Method: 20SPIDm Operator: JAM  
Interface: 707 Cycle#: 2 Channel#: A Vial#: -1

-----  
NOTE: The Data Was Stored In File 0316PI2:,700,0,2

Real Time Chromatogram of 6162 1/10 ETS WW S-1 From 0 min To 40 min  
Range = 5 mV Offset = 6.482 mV Range = 80 mV Offset = -3.212 mV



=====

Sample Name 6162 1/10 ETS WW S-1

Date: 11 Nov 1992 22:21 Method: 20SPIDm Operator: JAM  
Interface: 707 Cycle#: 10 Channel#: A Vial#: -1

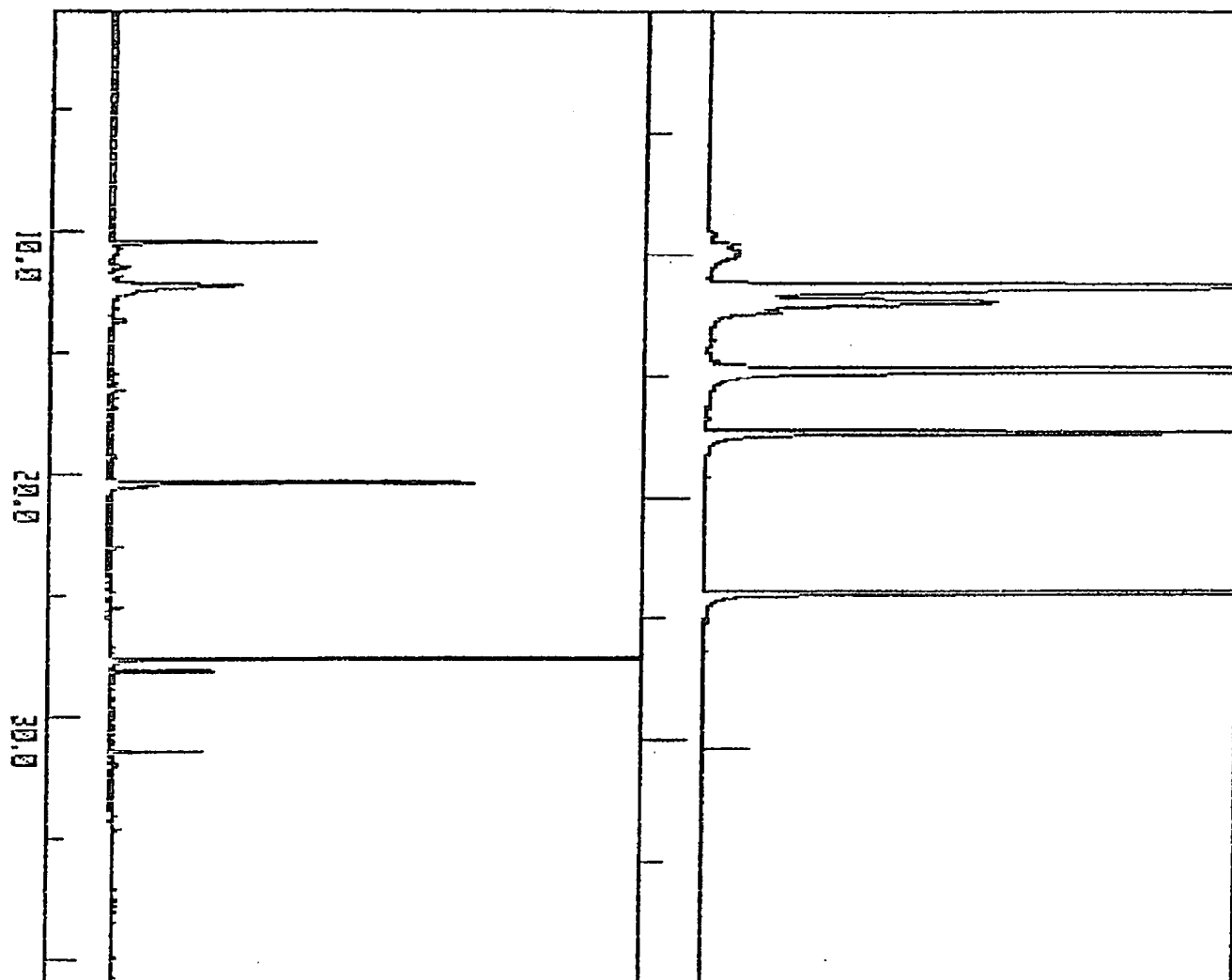
=====

NOTE: The Data Was Stored In File 0316PI10:,700,0,2

Real Time Chromatogram of 6162 1/50 ETS WW S-1 From 0 min To 40 min

Range = 4 mV Offset = 6.577 mV

Range = 80 mV Offset = -2.671 mV



=====

Sample Name 6162 1/50 ETS WW S-1

Date: 12 Nov 1992 18:42 Method: 205PIDm Operator: JAM  
Interface: 707 Cycle#: 9 Channel#: A Vial#: -1

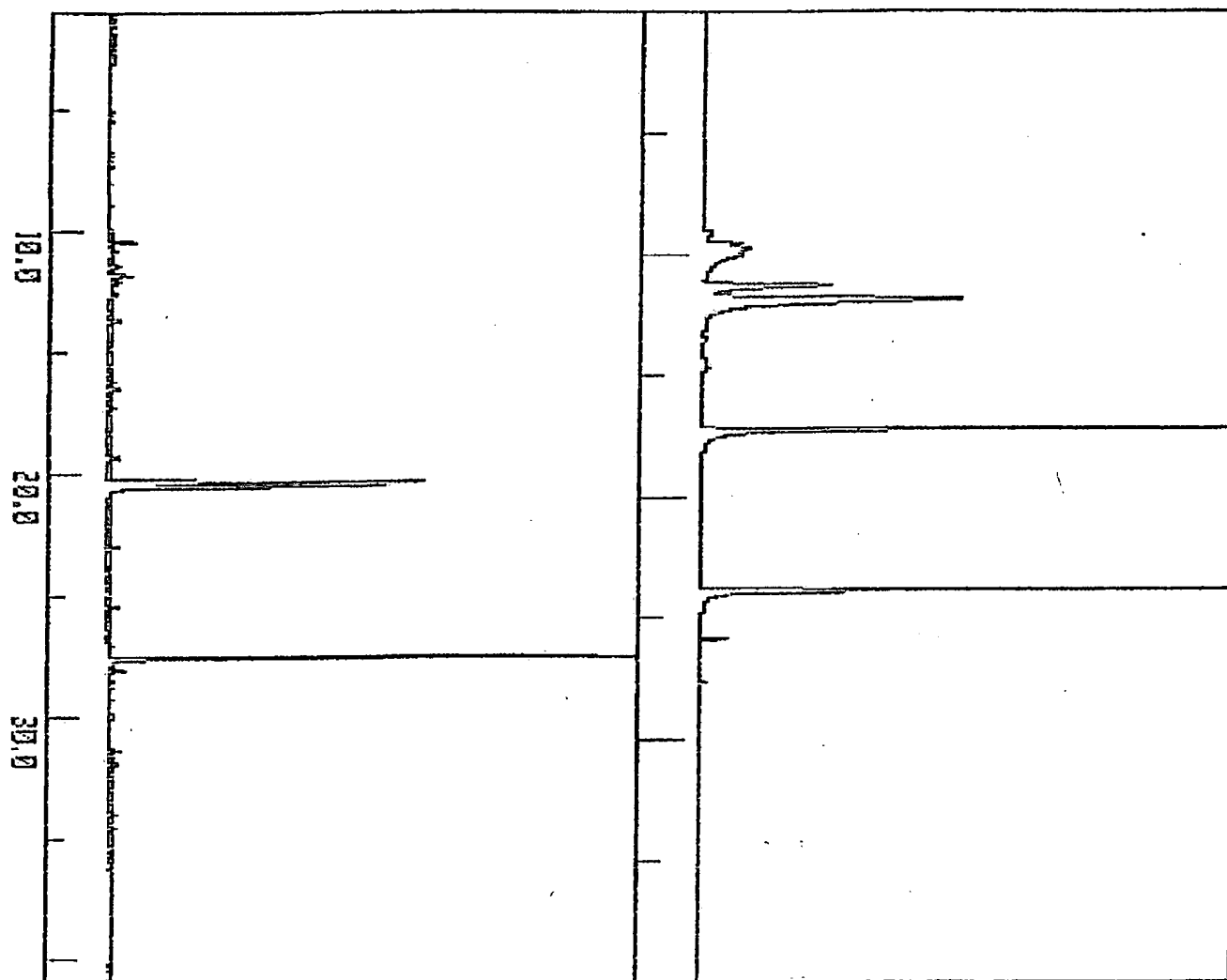
=====

NOTE: The Data Was Stored In File 0317PI9:,700,0,3

Real Time Chromatogram of 6163 1/10 ETS WW S-2 From 0 min To 40 min

Range = 5 mV Offset = 6.484 mV

Range = 80 mV Offset = -3.204 mV



-----  
Sample Name 6163 1/10 ETS WW S-2

Date: 11 Nov 1992 23:23 Method: 20SPIDm

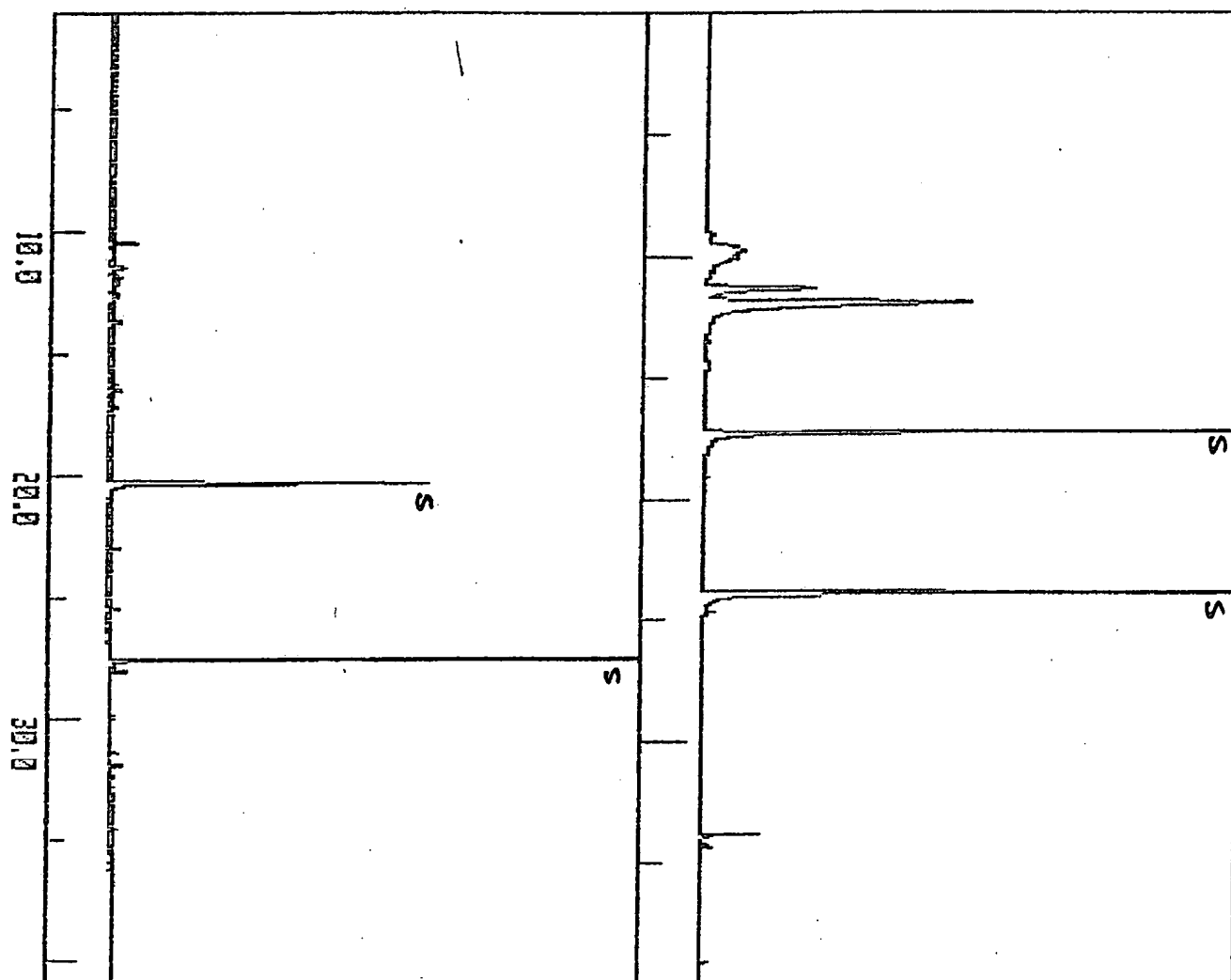
Operator: JAM

Interface: 707 Cycle#: 11 Channel#: A

Vial#: -1

-----  
NOTE: The Data Was Stored In File 0316PI11: ,700,0,2

Real Time Chromatogram of 6163A 5ml TRIP BLANK From 0 min To 40 min  
Range = 5 mV Offset = 6.48 mV Range = 80 mV Offset = -3.2 mV



-----  
Sample Name 6163A 5ml TRIP BLANK

Date: 12 Nov 1992 00:26 Method: 20SPIDm Operator: JAM  
Interface: 707 Cycle#: 12 Channel#: A Vial#: -1

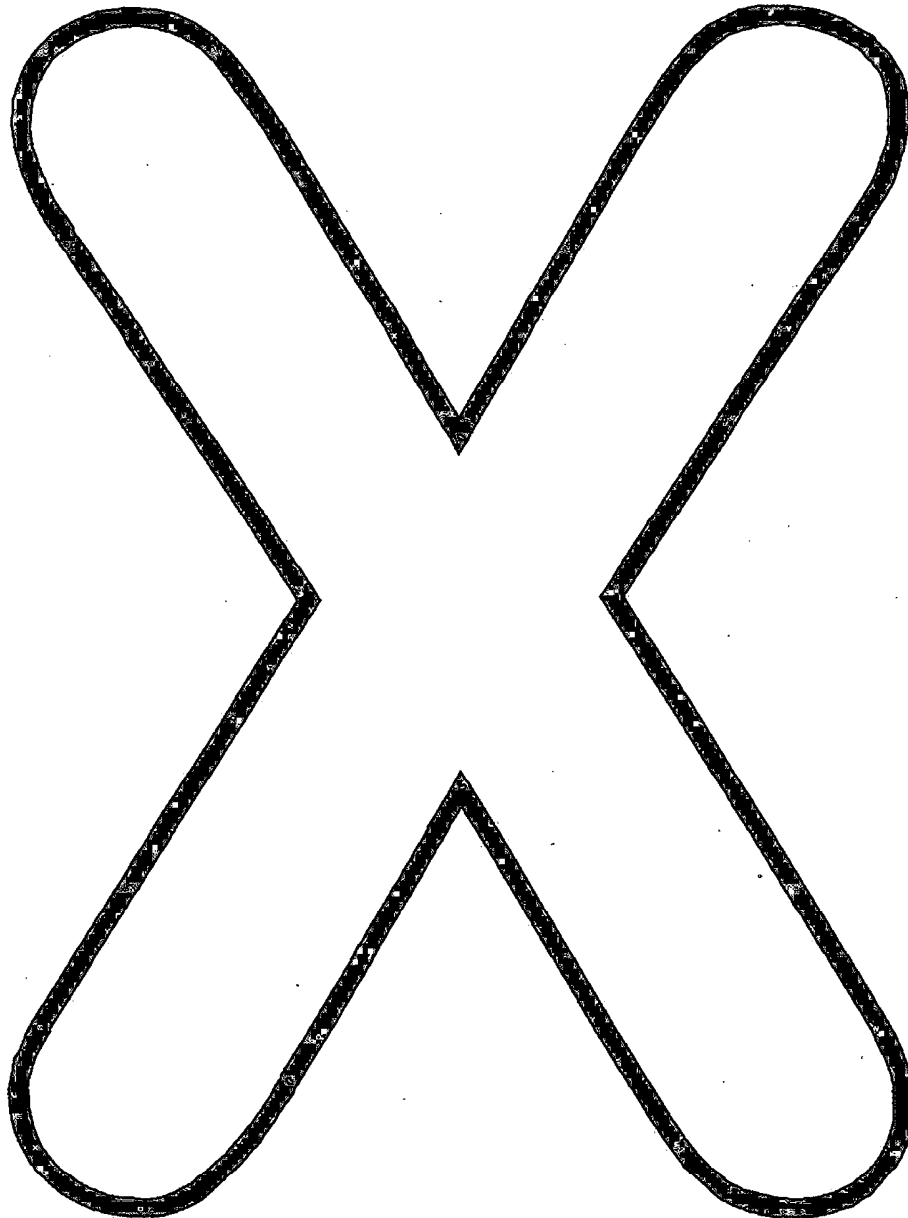
-----  
NOTE: The Data Was Stored In File 0316PI12:,700,0,2

NOTE: S2 Surrogate compounds added to each sample

# Multi-Page Separator Sheet

NOTE: This separator page has been inserted to designate the beginning of a group of pages originally attached or grouped by staple, paperclip, folder, etc. This page is not part of the original document.

pagesep



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pagesep

pagesep

pagesep sheet

BOLT Document Management  
Separator(generic)1.cdr

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# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We make Indiana a cleaner, healthier place to live*

Frank O'Bannon  
Governor

John M. Hamilton  
Commissioner

90 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
[www.idem.org](http://www.idem.org)

VIA CERTIFIED MAIL P 125 730 836

Mr. William Melchior  
Environmental Test Systems, Inc.  
23575 County Road 106  
P. O. Box 4659  
Elkhart, Indiana 46514

May 21, 1998

Re: A 039-9067-00187  
Amendment to CP 039-3039  
Pit ID 039-00187

Dear Mr. Melchior:

Environmental Test Systems, Inc. was issued a construction permit CP 039-3039, on January 5, 1995 for three (3) impregnation test lines, identified as Fabric String Dryer, Paper Dryer 1, and Paper Dryer 2, and various natural gas-fired heaters, used in the manufacture of various chemical indicator/test strips for measuring, pH, alkalinity, free chlorine, salinity bromine, etc. A letter requesting an amendment to this construction permit was received on October 2, 1997. The construction permit shall be amended as follows:

4. Volatile Organic Compounds (326 IAC 8-1-6 General Reduction Requirements)  
Any change or modification which may increase VOC potential emissions to 25 tons per year or more from the String Fabric Dryer, shall require prior approval and be subject to the requirements of 326 IAC 8-1-6.
5. BACT Minor Limit  
The VOC input usage from the Paper Dryer 1 and Paper Dryer 2 shall each be limited to 24 tons per year, based on a monthly rolling average. Compliance with this limit will make the requirements of 326 IAC 8-1-6 (General Reduction) not applicable.
6. Annual Emission Reporting 326 IAC 2-6 (Emission Reporting)  
Pursuant to 326 IAC 2-6 (Emission Reporting), the Permittee must annually submit an emission statement for the source. This statement must be received by April 15 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual statement must be submitted to:  
  
Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015
7. Record Keeping Requirements  
(a) To document compliance with Operation Conditions no. 4, and no. 5 the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1)

through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Operation Condition no. 4 and no. 5.

- (1) The amount and VOC content of each material and solvent used. Records shall include purchase orders, invoices, batch records, and Material Safety Data Sheets (MSDS) necessary to verify the type and amount used;

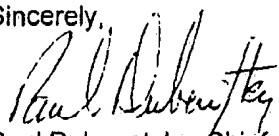
**8. Reporting Requirements**

A quarterly summary of the information to document compliance with Operation shall be submitted to the following address *on the reporting form* *15* days after the end of the quarter being reported.

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment with the original permit.

Sincerely,

  
Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Management

APD

cc: File -Elkhart County  
Elkhart County Health Department  
Air Compliance Section Inspector - Greg Wingstrom  
Compliance Data Section - Jerri Curless  
Permit Tracking - Janet Mobley  
Air Programs Section - Nancy Landau



**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION  
Quarterly Report**

Source Name: Environmental Test Systems, Inc.  
Source Address: 23575 County Road 106, Elkhart, Indiana 46514  
Mailing Address: P. O. Box 4659, Elkhart, Indiana 46514  
Construction Permit No.: CP039-3039-00187 Issued Date: January 5, 1995  
Amendment No.: A039-9067-00187  
Facility: Paper Dryer 1  
Paper Dryer 2  
Parameter: VOC  
Limit For Each Dryer: 24 tons per year, rolled on a monthly basis.

Year: \_\_\_\_\_

Paper Dryer 1

Month	Column 1	Column 2	Column 1 + 2
	This Month	Previous 11 Months	12 Month Total

Paper Dryer 2

Month	Column 1	Column 2	Column 1 + 2
	This Month	Previous 11 Months	12 Month Total

Submitted by: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

# Indiana Department of Environmental Management Office of Air Management

## Addendum to the Technical Support Document for Construction Permit (CP) Amendment

Source Name: Environmental Test Systems, Inc.  
 Source Location: 23575 County Road 106, Elkhart, Indiana 46514  
 County: Elkhart  
 Construction Permit No.: CP-039-3039-0017 Issue: January 5, 1995  
 Amendment No.: A-039-9067-0018  
 Permit Reviewer: Aida P. De Guzman

On April 3, 1998, the Office of Air Management (OAM) had a notice published in the Elkhart Truth, Elkhart, Indiana, stating that Environmental Test Systems, Inc. had applied for a construction permit (CP) amendment to CP-039-3039-00187, issued on January 5, 1995. The notice also stated that OAM proposed to issue this CP amendment and provided information on how the public could review the proposed amendment and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On April 29, 1998, Environmental Test Systems, Inc. (ETS), submitted comments on the proposed construction permit amendment. The summary of the comments and corresponding responses is as follows (changes are bolded for emphasis):

- Comment 1: The proposed construction permit amendment described the dryers as they were in the issued construction permit as "String 1-6, Tunnel 1-9 and Tunnel 3-8". ETS prefers to change these descriptions to "String Dryer, Dryer 1, and Dryer 2" respectively. This change should be made throughout the permit amendment.
- Response 1: All the documents in the proposed CP amendment will be revised to reflect the suggested descriptions.
- Comment 2: The proposed construction permit amendment includes a description of the several small natural gas-fired units, which fall within the category of insignificant activities. The inclusion of this equipment in the issued CP and in the proposed CP amendment is not necessary. ETS requests that reference to this equipment in the issued CP and in the proposed CP amendment should be deleted.
- Response 2: Under the New Source Review (NSR), emissions from the same pollutant from all the different emitting units are aggregated to determine the level of approval required in a source. This applies both from units that are insignificant or significant. Therefore, no changes will be made to the proposed amendment.
- Comment 3: ETS requests that the reference to the "purchase orders, invoices" in Operation Condition 7(a)(1) of the proposed CP amendment be revised to "batch records" as ETS believes this wording most accurately describes its operation.
- Response 3: The reference to "purchase orders, invoices" in Operation Condition 7(a)(1) of the proposed CP amendment will not be deleted, however, "batch records" will be inserted after the word "invoices".

Comment 4: Operation Condition 7(b) in the proposed CP amendment requires that ETS be able to produce all monitoring and support data within one hour upon verbal request of an IDEM representative. Such records may include extensive information on product formulations and quantities used which may be difficult to produce in such a short time frame. It is also not clear if this condition refers only to on-site requests of IDEM representatives, or requests made by telephone as well. ETS believes that the condition is further vague in lack of reference to such requests occurring during normal business hours. ETS requests that this condition be reworded to clarify that any such request would be made only in person and during normal business hours, and that such request would provide for a reasonable response time to produce such information depending upon the amount and detail of information requested.

Response 4: Operation Condition 7(b) Record Keeping Requirements, require that records necessary to document compliance be kept at the source for a period of three (3) years, and then may be stored elsewhere for the next two (2) years provided the records can be available within thirty (30) days after written request. Because the most recent three years worth of records must be kept at the source, it is reasonable to assume that such records can be produced within a short time frame when OAM staff requests such data. Based on OAM's experience, reasonable requests for compliance related records can be made available within one hour. 326 IAC 2-7-6(2) states that the Permittee shall allow access to records when the inspector arrives at the source. Therefore, no changes will be made to Operation Condition 7(b).

Comment 5: Dryer 1, material DL10081 has the highest potential VOC emissions at 92.9 tons per year, and should be considered in the rule applicability determination for Dryer 1. This is reflected in the original Technical Support Document (TSD) of the issued CP. The CP amendment Technical Support Document considered a material that has only a VOC emissions of 7.3 tons/year. The proposed amendment to the issued CP should be revised to state an operation condition for Dryer 1 limiting its VOC input usage, to 24 tons per year to avoid the applicability of 326 IAC 8-1-6.

Response 5: The information on Dryer 1 has been reviewed and determined that the worst material used emits 92.9 tons/year. Therefore, proposed amendment will be revised to limit the Dryer 1 to 24 tons per year, and therefore, Operation Conditions 4 and 5 will be revised as follows. Reporting Form on page 4 of 4 will also be revised to reflect the changes :

---

4. Volatile Organic Compounds (326 IAC 8-1-6 General Reduction Requirements)

Any change or modification which may increase VOC potential emissions to 25 tons per year or more from the String Fabric ~~Dryer impregnation line 1-6 or the paper impregnation line tunnel 4-9~~, shall require prior approval and be subject to the requirements of 326 IAC 8-1-6.

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5. BACT Minor Limit

The VOC input usage from the Paper ~~impregnation line tunnel 3-8~~ **Dryer 1 and Paper Dryer 2** shall **each** be limited to 24 tons per year, based on a monthly rolling average. Compliance with this limit will make the requirements of 326 IAC 8-1-6 (General Reduction) not applicable.

**Indiana Department of Environmental Management (IDEM)  
Office of Air Management**

## Technical Support Document (TSD) for Construction Permit (CP) Amendment

### Source Background and Description

Source Name:	Environmental Test Systems Inc.		
Source Location:	23575 County Road 106, Elkhart, Indiana 46514		
County:	Elkhart		
Construction Permit No.:	CP039-3039-00187	Issued Date:	January 5, 1995
Amendment No.	A039-9067-00187		
Permit Reviewer:	Aida De Guzman		

The Office of Air Management (OAM) has reviewed an application from Environmental Test Systems Inc. relating to the request to amend construction permit CP039-3039-00187, issued on January 5, 1995. The source manufactures variety of chemical indicators including measuring, pH, alkalinity, free chlorine, salinity bromine, etc.

The source's operation consists of the following three (3) impregnation lines and various natural gas-fired heaters. The impregnation lines are the operations that will be impacted by this amendment:

- (1) One (1) fabric string impregnation line 1-6 - This line impregnates a fabric string with chemicals by passing the string through a dip pan containing solution of chemicals dissolved in water or solution of chemicals dissolved in water and organic solvents.
- (2) Two (2) paper impregnation lines, tunnel 1-9 and tunnel 3-8 - These lines impregnate paper with chemicals by passing the paper through a dip pan containing solution of chemicals dissolved in water or solution of chemicals dissolved in water and organic solvents.

Construction permit CP039-3039-00187, was issued on January 5, 1995 on the basis that these lines are subject to 326 IAC 8-2-5 (Paper Coating Operations). 326 IAC 8-2-5 establishes emission limitations for web coating or saturation processes of paper, plastic, metal foil, and pressure sensitive tapes and labels regardless of substrate. This rule limits each impregnation line to 14 pounds per day in order to be exempted from 326 IAC 8-2-5. Based on the following discussion, this limitation will be deleted.

Pursuant to 326 IAC 8-1-0.5, "Coating" means the application of protective, functional, or decorative films.

- (1) 326 IAC 8-2-5 (Paper Coating Operations)
  - (a) Environmental Test Systems, Inc. string fabric impregnation line tunnel 1-6, which saturates fabric string with chemicals dissolved in water and organic solvents, is not subject to this rule, because the substrate is a fabric and not among the substrates mentioned in the rule, and no coating film is deposited on the substrate.
  - (b) Two (2) paper impregnation lines tunnel 1-9 and tunnel 3-8 are not subject to 326 IAC 8-2-5, which saturate paper with chemicals dissolved in water and organic solvents, because the mixture of chemical and water do not leave any coating film in

the substrate. Pursuant to 326 IAC 8-1-0.5, under the coating definition, the source should not have been subject to 326 IAC 8-2-5 (Paper Coating Operations).

- (2) 326 IAC 8-2-11 (Fabric and Vinyl Coating)  
The string fabric impregnation line tunnel 1-6 is not subject to this rule, because the saturation of the substrate is not applied with a knife, roll or rotogravure coater.

- (3) 326 IAC 8-1-6 (General Reduction Requirements)  
(a) The string fabric impregnation line tunnel 1-6 is not subject to 326 IAC 8-1-6, because the potential VOC emissions from this process are less than 25 tons per year ( see below calculations).

$$\begin{aligned}\text{VOC Emissions} &= 0.0002 \text{ gal/m sq.ft} * 439.2 \text{ m sq. ft/hr} * 6.67 \text{ lb/gal} * 8760 \text{ hr/yr} * \\ &\quad \text{ton/2000 lb} \\ &= 2.6 \text{ tons/yr}\end{aligned}$$

- (b) The paper impregnation line tunnel 1-9 is not subject to 326 IAC 8-1-6, because its potential VOC emissions are less than 25 tons per year ( see below calculations).

Impregnation Line tunnel 1-9:

$$\begin{aligned}\text{VOC Emissions} &= 0.003 \text{ gal/m sq. ft} * 54 \text{ m sq. ft/hr} * 10.29 \text{ lb/gal} * 8760 \text{ hr/yr} * \\ &\quad \text{ton/2000 lb} \\ &= 7.3 \text{ ton/yr}\end{aligned}$$

- (c) The paper impregnation line tunnel 3-8 is subject to 326 IAC 8-1-6, because its potential VOC emissions are greater than 25 tons per year ( see below calculations). The source, however, requested a limit in the VOC usage to 24 tons per year. Therefore, this line is not subject to 326 IAC 8-1-6 in this case.

Impregnation Line tunnel 3-8:

$$\begin{aligned}\text{VOC Emissions} &= 0.005 \text{ gal/m sq. ft} * 137.2 \text{ m sq. ft/hr} * 8.68 \text{ lb/gal} * 8760 \text{ hr/yr} * \\ &\quad \text{ton/2000 lb} \\ &= 26 \text{ ton/yr}\end{aligned}$$

This amendment will not result in any increase in the potential emissions. However, it relaxes the limit from 14 pound per day to 24 tons per year. Therefore, this amendment will require a public notification.

The following Operation Conditions in construction permit CP039-3039-00187, issued on January 5, 1995 will be amended as follows (changes are bolded and strikeout for emphasis):

*Operation Condition no. 4 in the original permit is revised as follows.*

4. ~~That the total amount of volatile organic compounds delivered to the coating applicator including clean-up solvents shall not exceed 14.9 pounds per day for each of the coating lines. Satisfaction of this condition and all other Operation Conditions shall render Offset Rule~~

~~326 IAC 2-3 and 326 IAC 8-2-5 not applicable in this case.~~

**4. Volatile Organic Compounds (326 IAC 8-1-6 General Reduction Requirements)**

Any change or modification which may increase VOC potential emissions to 25 tons per year or more from the string fabric impregnation line 1-6 or the paper impregnation line tunnel 1-9, shall require prior approval and be subject to the requirements of 326 IAC 8-1-6.

*Operation Condition no. 5 is revised as follows:*

5. That a log of information necessary to document compliance with Condition 4 shall be maintained. These records shall be kept for at least the past 24 month period and made available upon request to the Office of Air Management. A quarterly summary shall be submitted to:

Compliance Data Section  
Office of Air Management  
Department of Environmental Management  
P. O. Box 6015  
Indianapolis, Indiana 46206

**5. BACT Minor Limit**

The VOC input usage from the paper impregnation line tunnel 3-8 shall be limited to 24 tons per year, based on a monthly rolling average. Compliance with this limit will make the requirements of 326 IAC 8-1-6 (General Reduction) not applicable.

*Operation Condition no. 6 in the original permit is revised as follows:*

6. That the Permittee shall comply with the provisions and requirements of 326 IAC 2-6; Emission Reporting.

**6. Annual Emission Reporting 326 IAC 2-6 (Emission Reporting)**

Pursuant to 326 IAC 2-6 (Emission Reporting), the Permittee must annually submit an emission statement for the source. This statement must be received by April 15 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual statement must be submitted to:

Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

*Operation Condition no. 7 in the original permit is revised as follows:*

7. If any change or modification to a coating line or the coatings used increases the actual emissions of Volatile Organic Compounds to more than 15 pounds per day, then 326 IAC 8-2-5 shall immediately apply and the permittee shall notify the Office of Air Management of the change or modification.

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7. Record Keeping Requirements

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- (a) To document compliance with Operation Conditions no. 4, and no. 5 the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Operation Conditions no. 4 and no. 5
- (1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
- (2) A log of the dates of use;
- (3) The cleanup solvent usage for each month; and
- (4) The total VOC usage for each month.
- (b) Records of all required monitoring data and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location and available within one (1) hour upon verbal request of an IDEM, OAM representative, for a minimum of three (3) years. They may be stored elsewhere for the remaining two (2) years providing they are made available within thirty (30) days after written request.

*The following Operation Condition is added and numbered as no. 8. Reporting Forms on page 4 and 5 of the original permit are replaced by the reporting form on page 4 of 4 of the amendment.*

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8. Reporting Requirements

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A quarterly summary of the information to document compliance with Operation Condition no. 5 shall be submitted to the following address, using the reporting form attached, within thirty (30) days after the end of the quarter being reported.

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Management  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

All other Operation Conditions in the original permit shall remain unchanged and in effect.

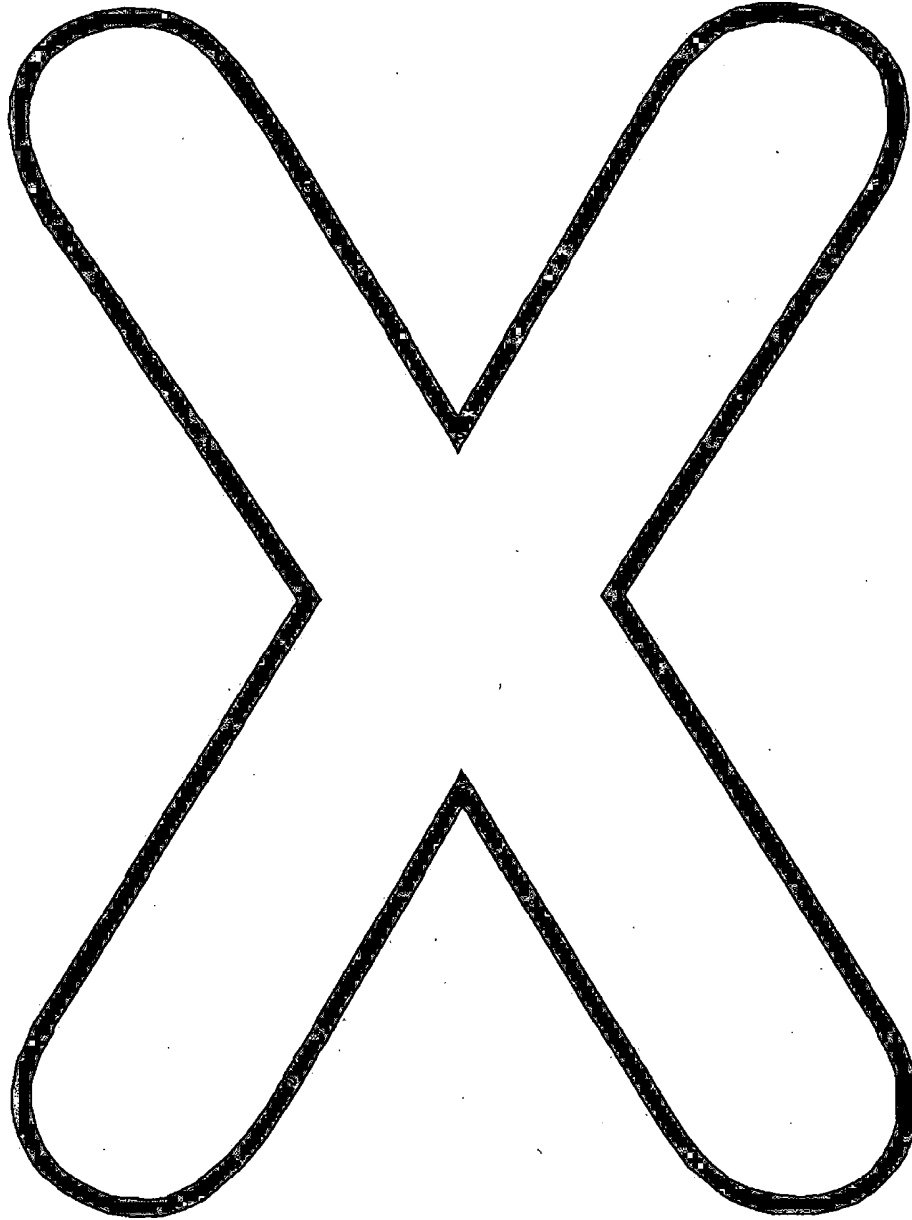
**Conclusion:**

The existing facilities permitted in CP039-3039-00187, issued on January 5, 1995 will be subject to the requirements of this **Amendment A039-9067-00187**.

# Multi-Page Separator Sheet

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# CONSTRUCTION PERMIT

Control No 015

## OFFICE OF AIR MANAGEMENT

Page 1 of 5

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

100 North Senate

P.O. Box 6015

Indianapolis, Indiana 46206-6015

Environmental Test Systems, Inc.  
23575 County Road 106  
Elkhart, Indiana

is hereby authorized to construct

Three (3) Impregnation Test Paper Coating Lines, known as String 1-6,  
Tunnel 1-9 and Tunnel 3-8

String 1-6, Equipped with a 750 cfm exhaust fan,  
Capacity: 10.0 square meters per hour

Tunnel 1-9, Equipped with a 640 cfm exhaust fan,  
Capacity: 28.8 square meters per hour

Tunnel 3-8, Equipped with a 3,600 cfm exhaust fan,  
Capacity: 38.4 square meters per hour

One (1) Drying Oven, Natural Gas-Fired,      One (1) Process Heater, Natural Gas  
Capacity: 1.60 million Btu per hour      Capacity: 0.173 million Btu per

Nine (9) Space Heaters, Natural Gas-Fired,  
Capacity: 0.100 million Btu per hour each

Two (2) Space Heaters Natural Gas-Fired,  
Capacity: 0.120 million Btu per hour each

Two (2) Space Heaters, Natural Gas-Fired,  
Capacity: 0.108 million Btu per hour each

One (1) Space Heater, Natural Gas-Fired,  
Capacity: 0.090 million Btu per hour

THIS PERMIT IS ISSUED UNDER THE  
VISIONS OF 326 IAC 2-1 AND 40 CFR  
52.780, WITH CONDITIONS LISTED ON  
ATTACHED PAGES.

One (1) Space Heater, Natural Gas-Fired,  
Capacity: 0.047 million Btu per hour

One (1) Space Heater, Natural Gas-Fired,  
Capacity: 0.030 million Btu per hour

One (1) Process Heater, Natural Gas-Fired,  
Capacity: 0.108 million Btu per hour

One (1) Process Heater, Natural Gas-Fired,  
Capacity: 0.066 million Btu per hour

CP 039-3039

Identification No. ID 039-00187

Date Issued January 5, 1995

Expiration Date N/A

Issued by   
Commissioner

Environmental Test Systems, Inc.  
Elkhart, Indiana  
Permit Reviewer: M.E.S

CP 039-3039  
Plt ID 039-00187

**Construction Conditions**

1. That the data and information supplied with the application shall be considered part of this permit. Prior to any proposed change in construction which may affect potential emissions, this change must be approved by the Office of Air Management (OAM).
2. That this permit to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Department of Environmental Management Law (IC 13-7), Air Pollution Control Law (IC 13-1-1) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. That the equipment shall be installed in accordance with the manufacturer's specifications, and as stated in the application.
4. That pursuant to 326 IAC 2-1-9(b) the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is discontinued for a period of one (1) year or more.
5. That notwithstanding Condition No. 6, all requirements and conditions of this construction permit shall remain in effect unless modified consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2.
6. That this document shall also become the first-time operation permit pursuant to 326 IAC 2-1-4 when, prior to start of operation, the following requirements are met:
  - a. The attached affidavit shall be submitted to the Office of Air Management (OAM), verifying that the facilities were constructed as proposed in the application. If construction is done in phases; i.e., construction is not done continuously, one affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as performance testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.
  - b. Permittee shall receive an Operation Permit Validation Letter from the Chief of the Air Compliance Section and attach it to this document.

The first-time operation permit will be subject to annual operating permit fees pursuant to 326 IAC 2-1-7.1.

The permittee shall apply for an operation permit renewal at least ninety (90) days prior to the expiration date established in the validation letter.

7. That when the facility is constructed and placed into operation, the following operation conditions shall be met:

Environmental Test Systems, Inc.  
Elkhart, Indiana  
Permit Reviewer: M.E.S

CP 039-3039  
Plt ID: 039-00187

#### Operation Conditions

1. That the data and information supplied in the application shall be considered part of this permit. Prior to any change in the operation which may result in an increase in potential emissions exceeding those specified in 326 IAC 2-1-1, this change must be approved by the Office of Air Management (OAM).
2. That the permittee shall comply with the provisions of the Indiana Environmental Management Law (IC 13-7), Air Pollution Control Law (IC 13-1-1) and the rules promulgated thereunder.
3. That the equipment shall be operated and maintained in accordance with the manufacturer's specifications.
4. That the total amount of volatile organic compounds delivered to the applicator including clean-up solvents shall not exceed 14.9 pounds per day for each of the coating lines. Satisfaction of this condition and all other Operation Conditions shall render Offset Rule 326 IAC 2-3 and 326 IAC 8-2-5 not applicable in this case.
5. That a log of information necessary to document compliance with Condition 4 shall be maintained. These records shall be kept for at least the past 24 month period and made available upon request to the Office of Air Management. A quarterly summary shall be submitted to:

Compliance Data Section  
Office of Air Management  
Department of Environmental Management  
P.O. Box 6015  
Indianapolis, Indiana 46206

within 30 days after the end of the quarter being reported in the format attached. These reports shall include a rolling total (tons per last 365-day period) of VOC delivered to the coating applicators for each of the coating lines.

6. That the permittee shall comply with the provisions and requirements of 326 IAC 2-6, Emission Reporting.
7. If any change or modification to a coating line or the coatings used increases the actual emissions of Volatile Organic Compounds to more than 15 pounds per day, then 326 IAC 8-2-5 shall immediately apply and the permittee shall notify the Office of Air Management of the change or modification.

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CP 039-3039  
Plt ID 039-00187

## Quarterly Coating Usage Report

Coating Vessel: Coating Line

[illegible]

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Environmental Test Systems, Inc.  
Elkhart, Indiana  
Permit Reviewer: M.E.S

CP 039-3039  
Plt ID 039-00187

Coating Usage: Coating Line \_\_\_\_\_

[illegible]

**Attach supporting spreadsheets**

Submitted  
Date

By:  
Submitted:

Mail to:

Air Compliance Section  
Indiana Department of Environmental Management  
100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015

Environmental Test Systems, Inc.  
23575 County Road 106  
P.O. Box 4659  
Elkhart, IN 46514

Attention: Michael Presnal

**Affidavit of Construction**

I hereby certify that Environmental Test Systems, Inc. has constructed the test paper coating facility located at 23575 County Road 106, Elkhart, Indiana, in accordance with the intent of the construction permit application submitted to the Office of Air Management on April 28, 1993, and as permitted pursuant to Construction Permit No. 039-3039, Plt ID No. 039-00187, issued on \_\_\_\_\_.

\_\_\_\_\_  
signature

\_\_\_\_\_  
name and title (typed or printed)

\_\_\_\_\_  
date

Indiana Department of Environmental Management

Addendum to Technical Support Document for New Construction and Operation  
Environmental Test Systems, Inc.  
Elkhart, Indiana

On November 20, 1994, the Office of Air Management published a notice in Truth Publishing stating that Environmental Test Systems, Inc., applied for a permit for a test paper coating facility with a maximum production capacity of 77.2 m<sup>2</sup> per hour, to be located at 23575 County Road 106, Elkhart, Indiana. The following comments were received regarding the proposed permit from IDEM Air Compliance Section 1.

**Comment:** Operation Condition #4 should be changed to state that each coating line is limited to 14.9 pounds of VOC per day, because the applicability section of Rule 8-2-5 states that it applies to coating lines. Therefore, each line must either limit emissions to less than 14.9 pounds of VOC per day or must comply with the Rule.

This would not be necessary if the 2 existing lines will be shut down when the validation letter is issued so that only the 3rd line can operate. If this is the case, then the permit should have a condition which requires that the 2 existing lines be shut down.

**Response:** Operation Condition #4 of the Construction Permit has been changed to state that each coating line shall be limited to 14.9 pounds of VOC per day.

**Comment:** Operation Condition #5 should be eliminated since there are no potential particulate emissions from these coating lines.

**Response:** Operation Condition #5 has been eliminated.

**Comment:** Operation Condition #6 should be changed to require record keeping and Quarterly Reporting for each of the coating lines.

**Response:** Since Operation Condition #4 has been revised to reflect a VOC emission limit per line, Operation Condition #5 (formerly Operation Condition #6) has been revised to require record keeping and Quarterly Reporting for each of the coating lines.

**Comment:** The Quarterly Report form should be modified to provide a space for indicating which coating lines the report is for.

**Response:** The Quarterly Report form has been modified to provide space to indicate the coating line.

**Comment:** The permit should include an additional operation condition which states: "If any change or modification to a coating line or the coating used increases potential emissions of Volatile Organic Compounds to more than 15 pounds per day, the 326 IAC 8-2-5 shall immediately apply and the permittee shall notify the Office of Air Management of the change or modification."

Environmental Test Systems, Inc.  
Elkhart, Indiana

CP 039-3039  
Plt ID 039-00187

**Response:** The above operation condition has been added to the Construction Permit except that the change or modification refers to actual rather than potential VOC emissions.

**Comment:** The permit should include an additional operation condition regarding compliance of the fuel combustion equipment with 326 IAC 6-2.

**Response:** An additional operation condition is not necessary for the direct heating equipment listed in the Construction Permit because natural gas is the only fuel burned.